SERVICE MANUAL

PARTS LIST

MODEL GXC-730D

AKAI

AKAI CASSETTE DECK

MODEL GXC-730D

SECTION 1

SERVICE MANUAL

TABLE OF CONTENTS

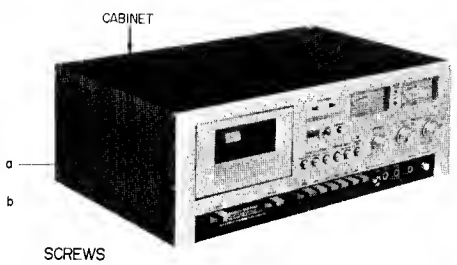
For basic adjustments, measuring methods, and operating principles, refer to GENERAL OPERATING PRINCIPLES AND ADJUSTMENTS.

II. DISMANTLING OF UNIT

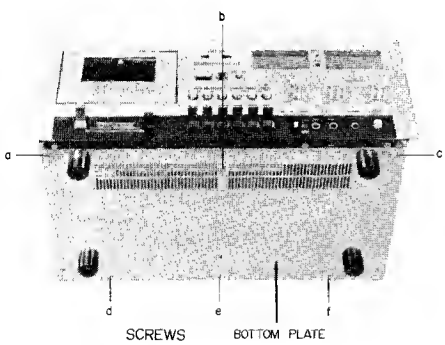
In case of trouble, etc. necessitating disassembly, please disassemble in the order shown in photographs. Reassemble in reverse order.

1

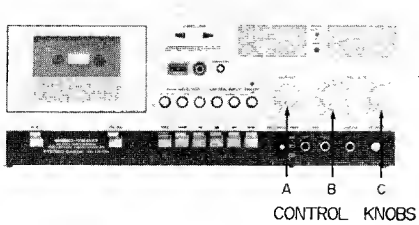
2



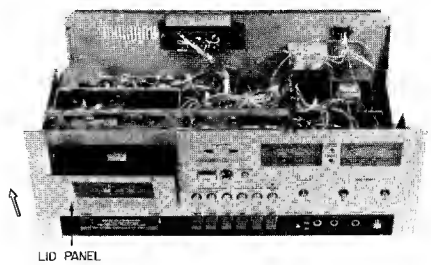
3



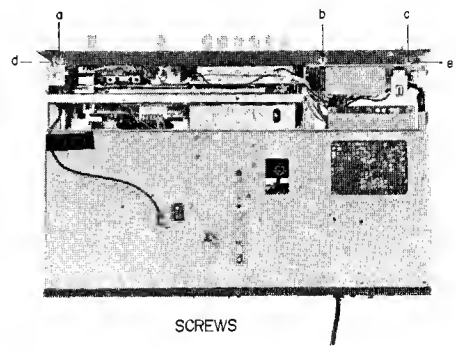
4



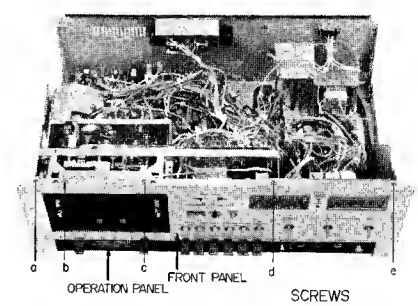
5



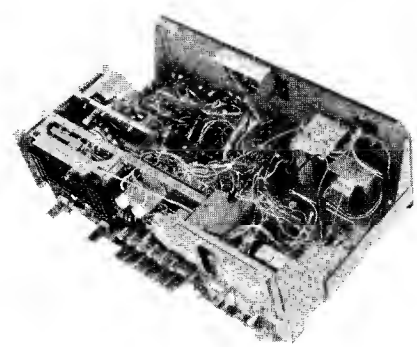
6



7



8



III. CONTROLS

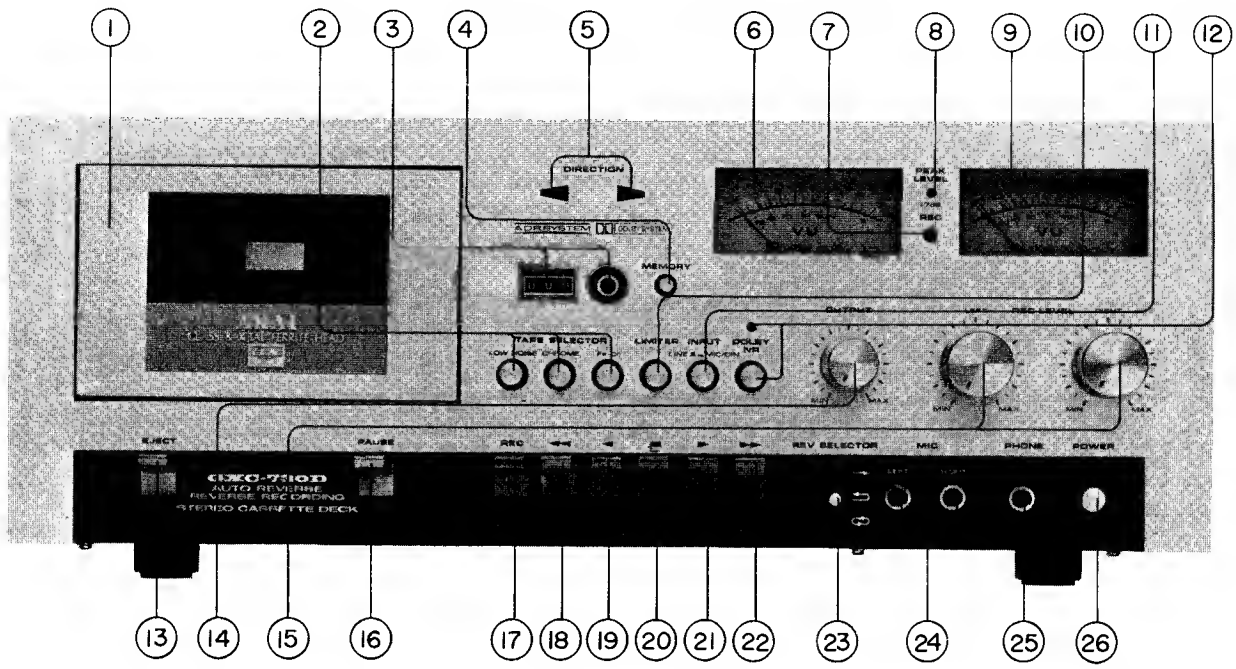


Fig. 1 Controls

1. CASSETTE RECEPTACLE LID (with tape view window)
2. TAPE SELECTOR SWITCHES
3. INDEX COUNTER AND RESET BUTTON
4. MEMORY WIND BUTTON
5. DIRECTION INDICATOR LAMPS
6. LEFT VU METER
7. RECORDING INDICATOR LAMP
8. PEAK LEVEL INDICATOR
9. RIGHT VU METER
10. LIMITER SWITCH
11. INPUT SELECTOR
12. DOLBY N.R. SWITCH AND INDICATOR LAMP
13. EJECT KEY
14. OUTPUT LEVEL CONTROL
15. RECORDING LEVEL CONTROLS (Left and right)
16. PAUSE KEY
17. RECORDING KEY
18. REWIND ◄◄ KEY
19. REVERSE PLAY ◄ KEY
20. STOP ► KEY
21. FORWARD PLAY ► KEY
22. FAST FORWARD ►► KEY
23. REVERSE SELECTOR
24. MICROPHONE JACKS (Left and Right)
25. HEADPHONE JACK
26. POWER SWITCH

IV. PRINCIPAL PARTS LOCATION

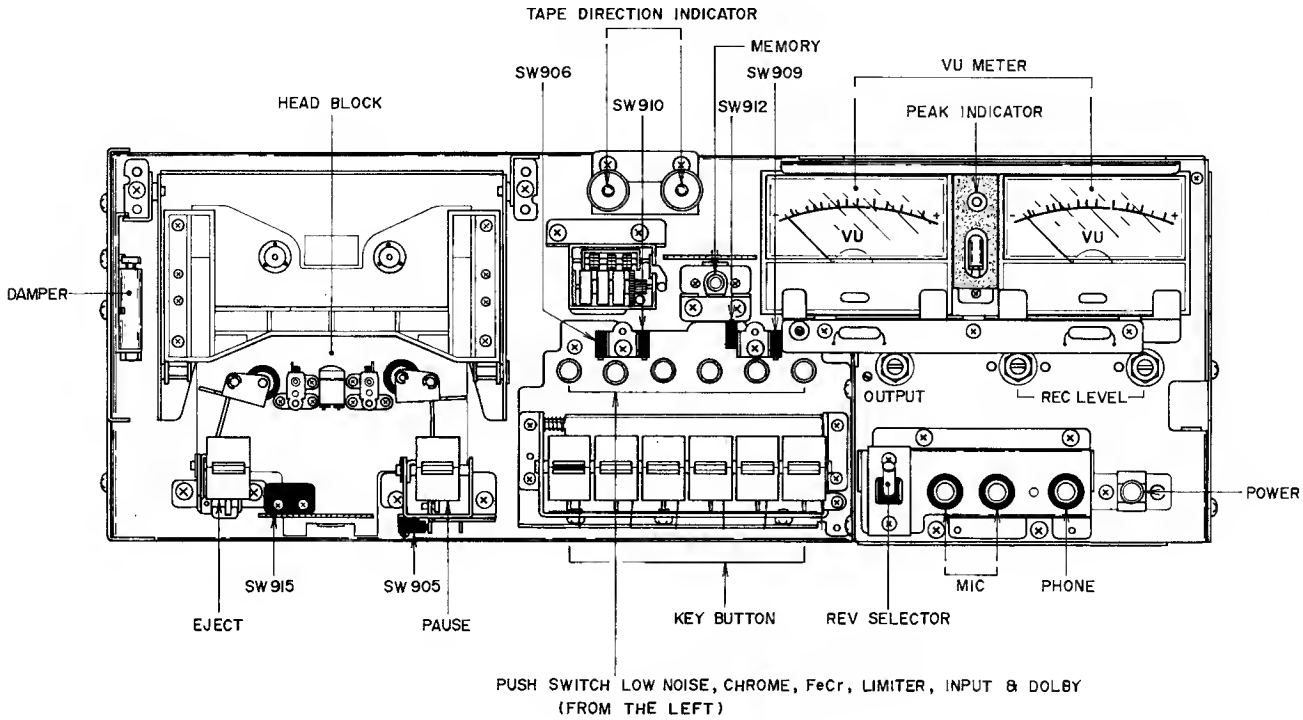


Fig. 2 Front View

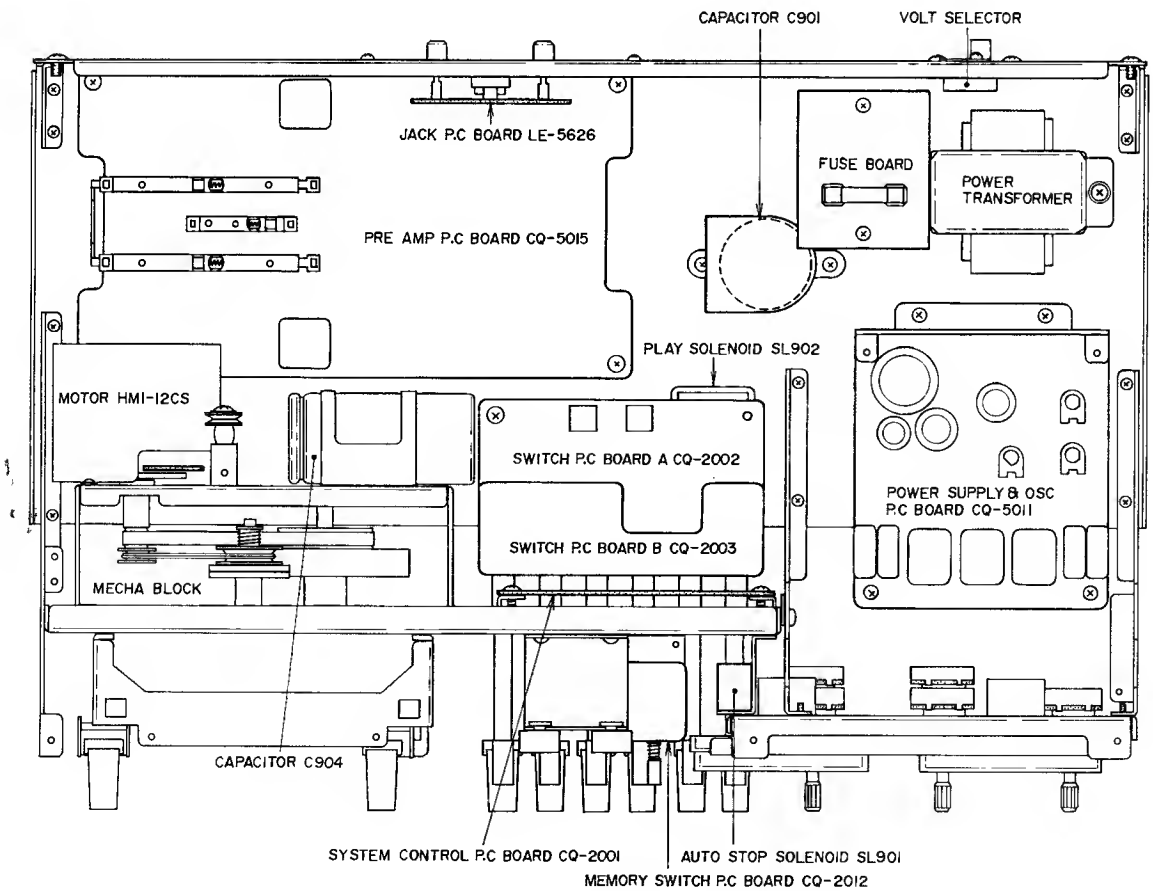
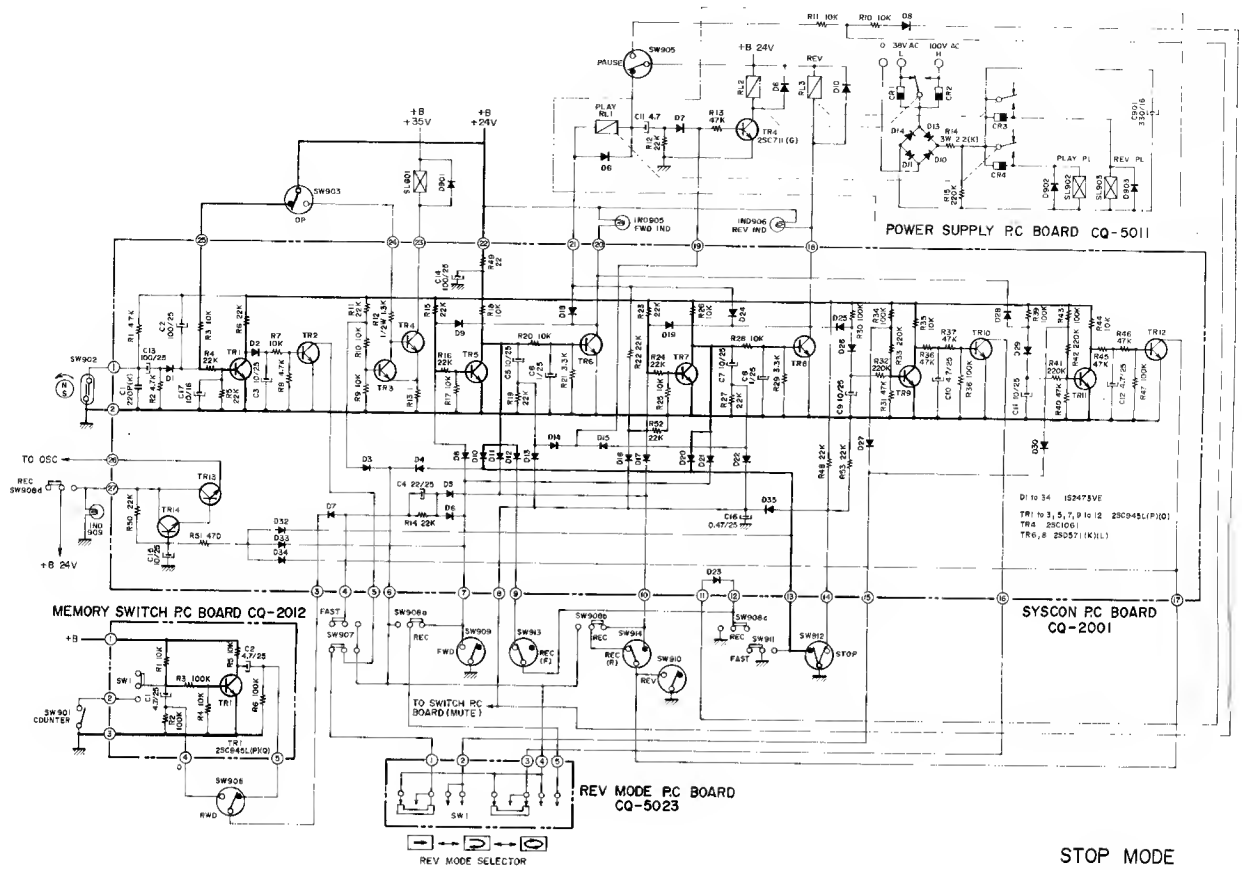


Fig. 3 Top View

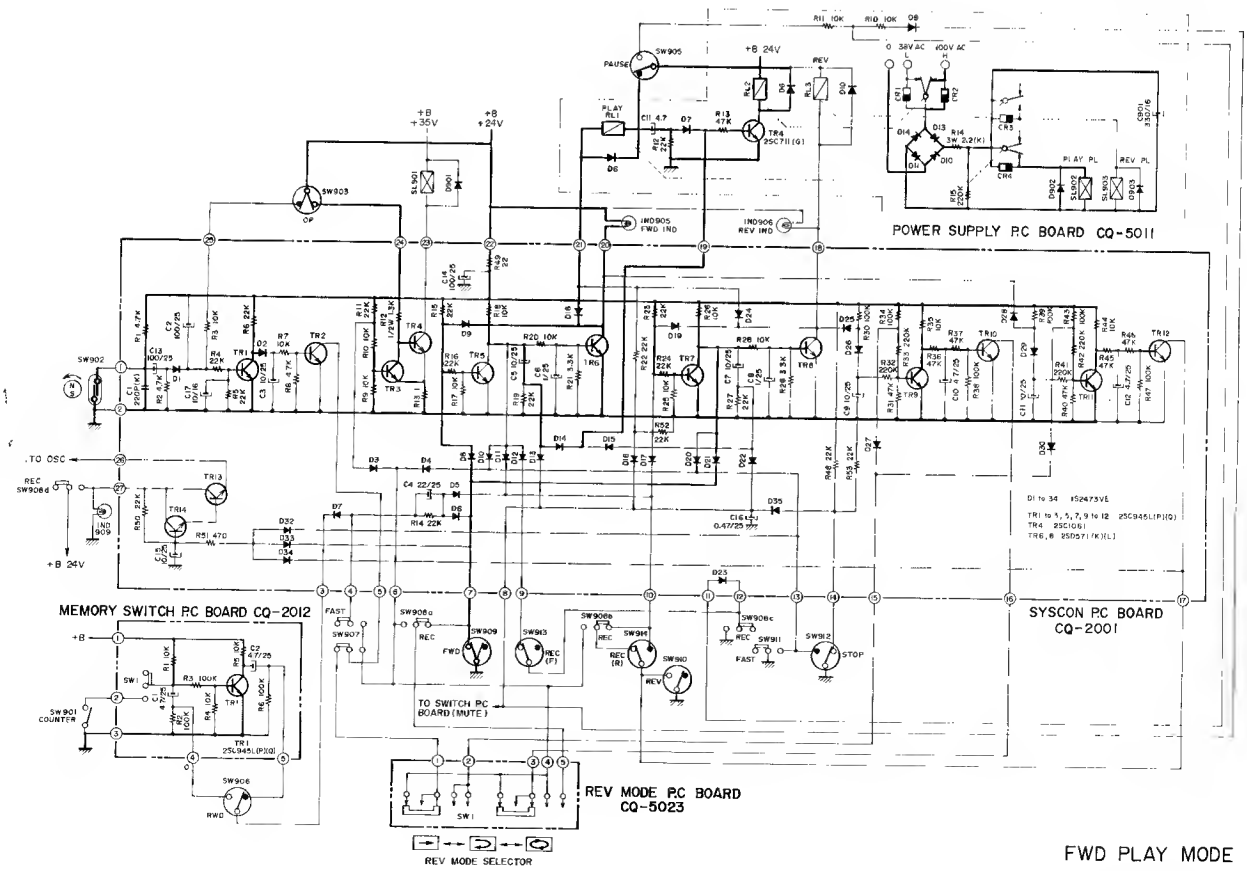
V. CIRCUIT OPERATION

1. SYSTEM CONTROL (SYSCON) OPERATION



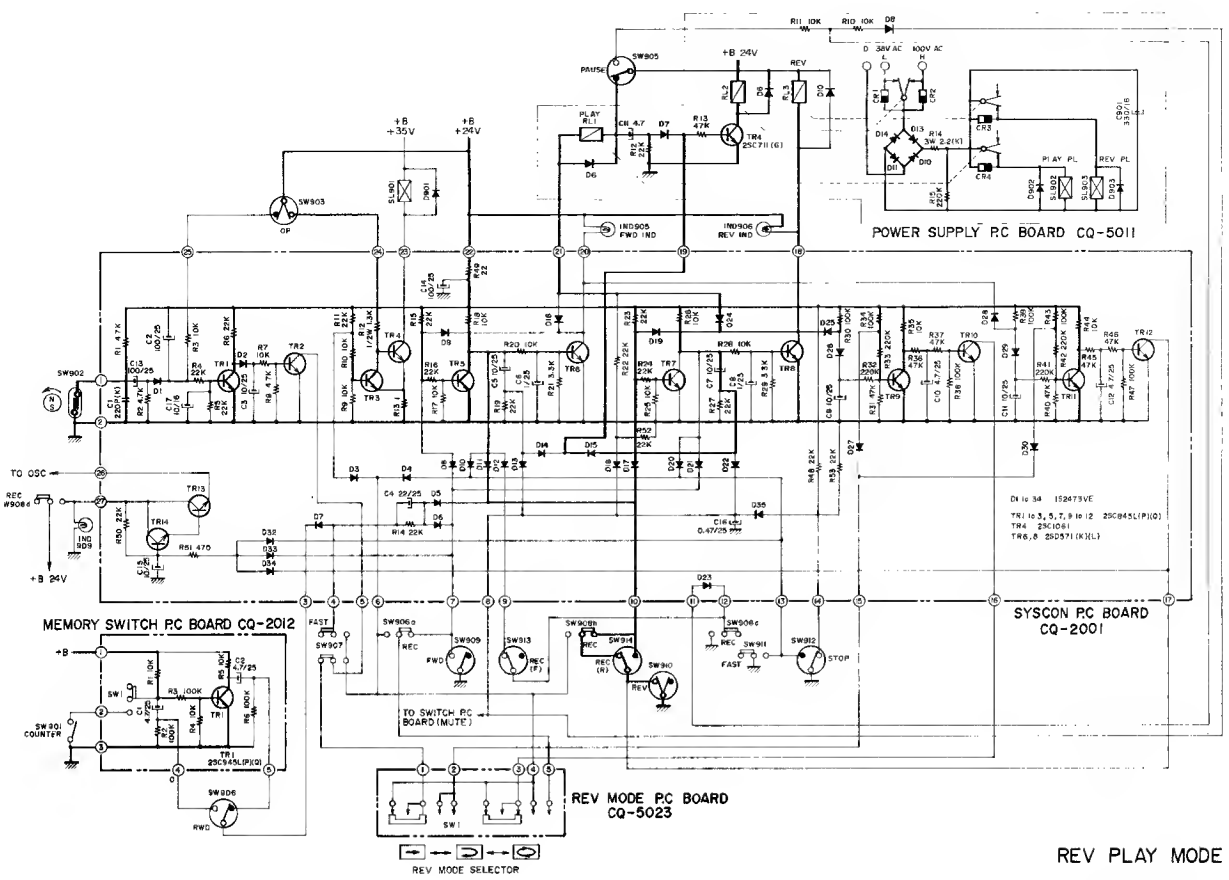
STOP MODE

SCHEMATIC–1



FWD PLAY MODE

SCHEMATIC–2



REV PLAY MODE

SCHEMATIC–3

1) Forward Playback (Refer to SCHEMATIC–2)

a) When FWD key is depressed, FWD Switch (SW909) is grounded, TR5 base electric potential decreases and TR5 turns OFF. Base bias is supplied to TR6 through R18 and R20, and TR6 is turned ON.

b) Immediately after the FWD button is depressed and SW909 is turned ON, SW909 returns to OFF condition. In order to hold TR6 at ON condition, TR5 base bias is supplied through D9 and TR6 and decreased to approximately the ground electric potential.

c) Accordingly, FWD IND LAMP (IND 905) and RL1 operate because TR6 is ON. And because bias is supplied to TR4 base through C5, D14 (SYSCON P.C BOARD), and R13 (POWER SUPPLY P.C BOARD), TR4 is turned ON and RL2 operates.

d) Also, until C5 is charged, a lead-in high voltage is supplied to the Play Plunger (SL902) and Play Plunger operates putting the deck into a FWD Playback mode.

e) After C5 is charged, bias is not supplied to TR4 (POWER SUPPLY P.C BOARD) so that TR4 turns OFF and RL2 stops. Low voltage to hold is then supplied to Play Plunger (SL902) to maintain the FWD Playback mode.

2) Reverse Playback (Refer to SCHEMATIC–3)

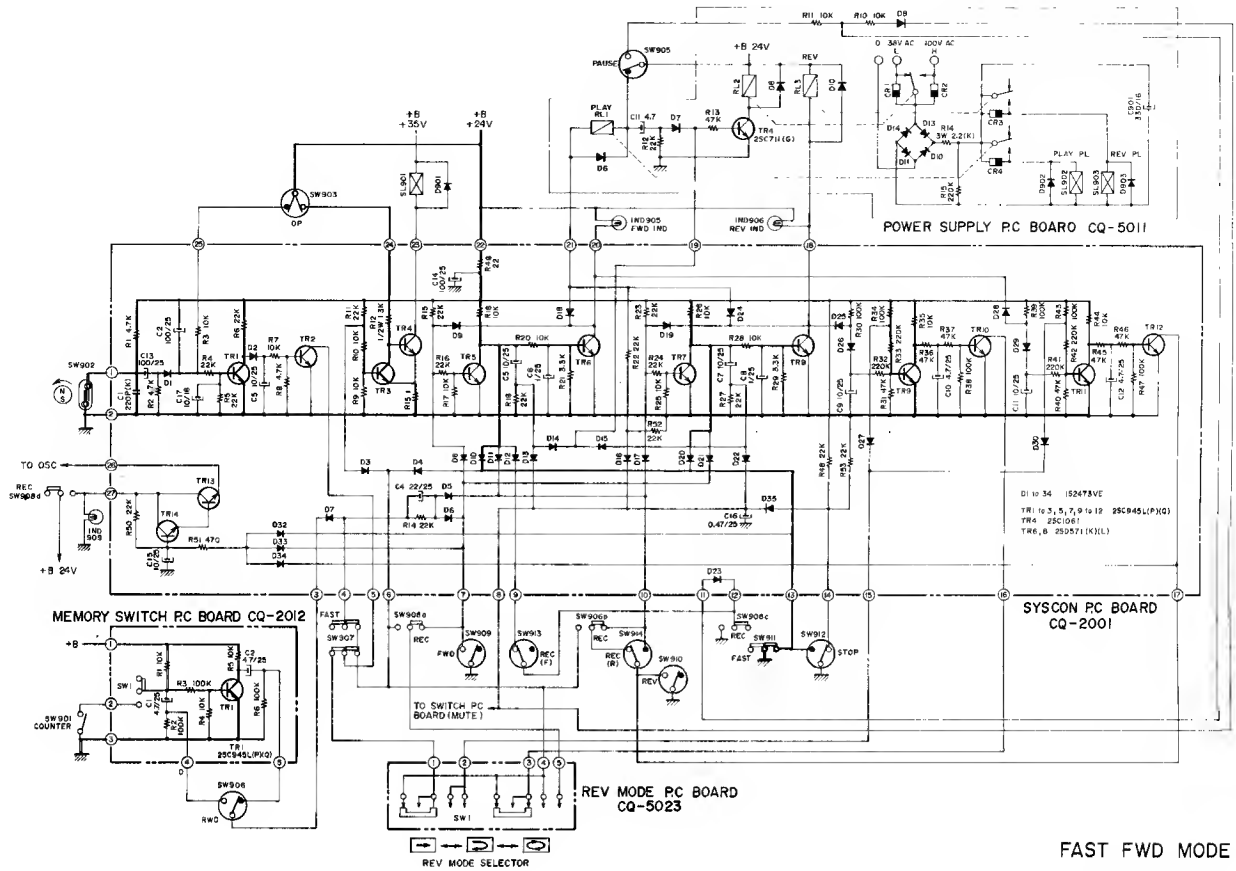
a) By depressing the REV button, REV switch (SW910) is turned ON and TR7 base bias is decreased to about the same electric potential as ground so that TR7 is turned OFF. When TR7 is at OFF condition, TR7 collector voltage increases and base bias is supplied to TR8 through R26 and R28. TR8 is then turned ON.

b) When TR8 is turned ON, REV IND LAMP (IND 906) and RL3 operate, and by the flow of the electric current through D24 and TR8, RL1 is turned ON.

c) Of the circuits R13 (POWER SUPPLY P.C BOARD), D15 and C7 (SYSCON P.C BOARD), TR4 is turned ON and RL2 operates only during the charging time of C7.

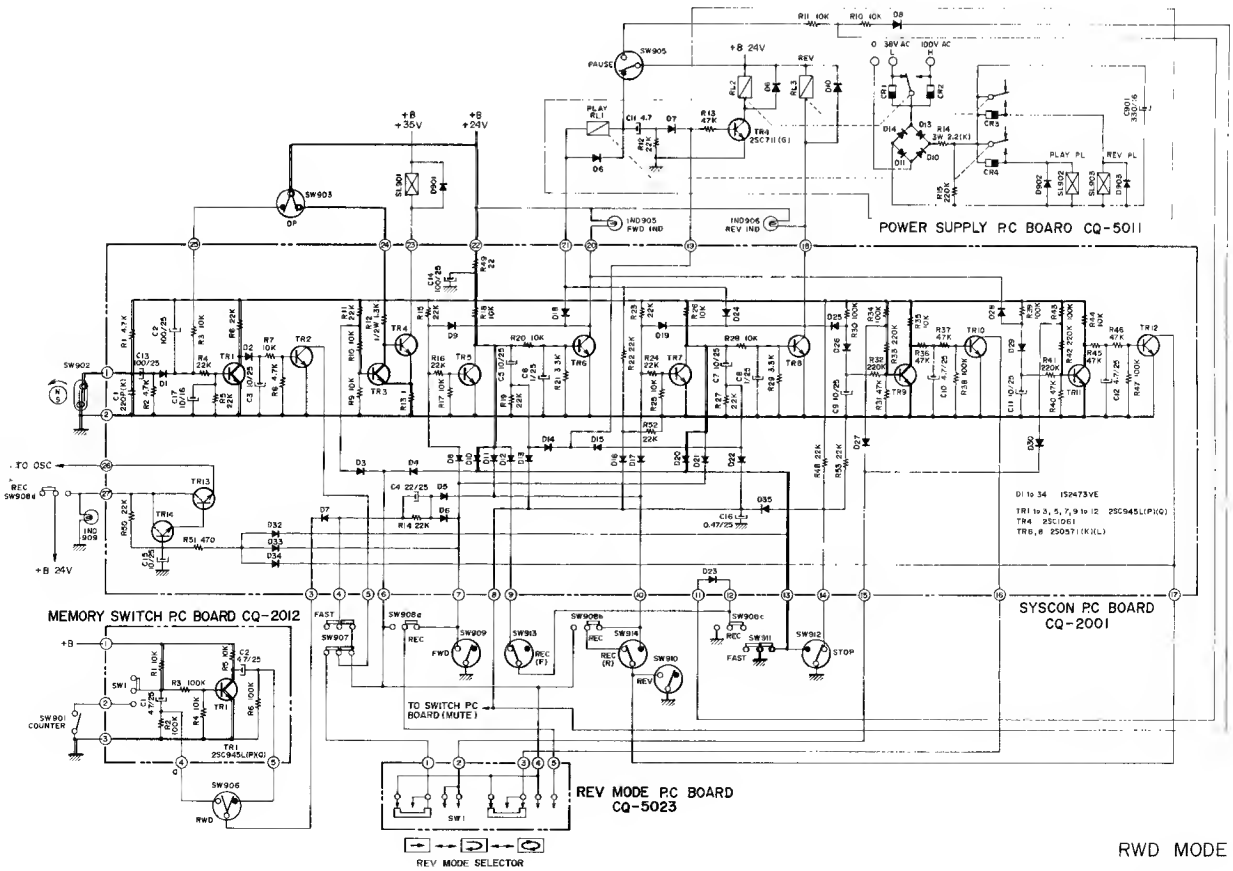
d) Accordingly, REV Playback mode is achieved by RL1, RL2, and RL3 operation through the workings of Play Plunger (SL902) and REV Plunger (SL903).

e) SW910 returns to OFF immediately after the REV button is depressed. In order to hold TR8 at ON, TR7 base bias is decreased to near ground electric potential through R23 and D14.



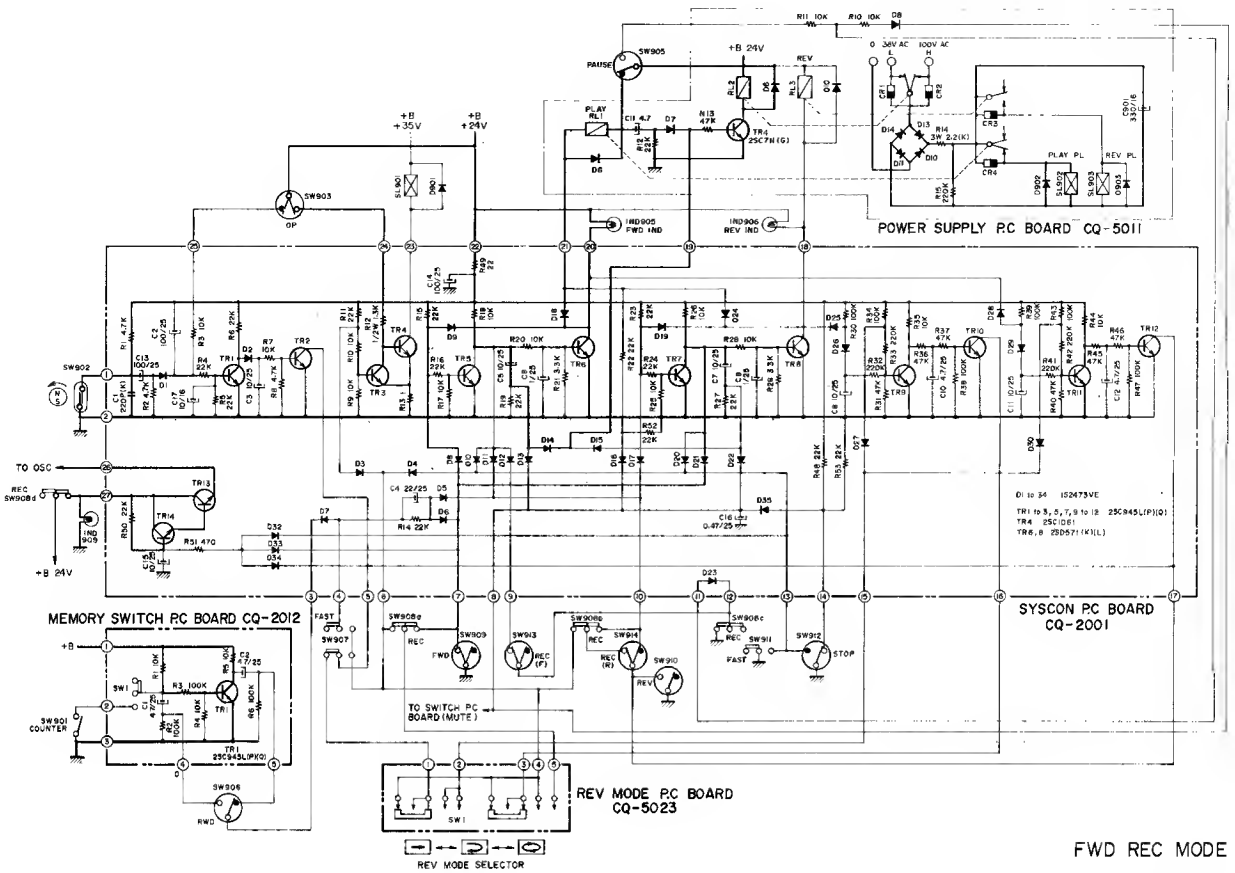
FAST FWD MODE

SCHEMATIC–4



RWD MODE

SCHEMATIC–5



FWD REC MODE

SCHEMATIC–6

3) Fast Forward and Rewind

(Refer to SCHEMATIC–4, 5)

a) Fast forward and rewind modes are mostly mechanically operated.

b) Bias is supplied to TR1 base thrcugh D1 and R4 by charge/discharge of C13 and TR1 is thereby turned ON. On the other hand, TR2 base electric potential is decreased to near ground electric potential through TR1 and is turned OFF.

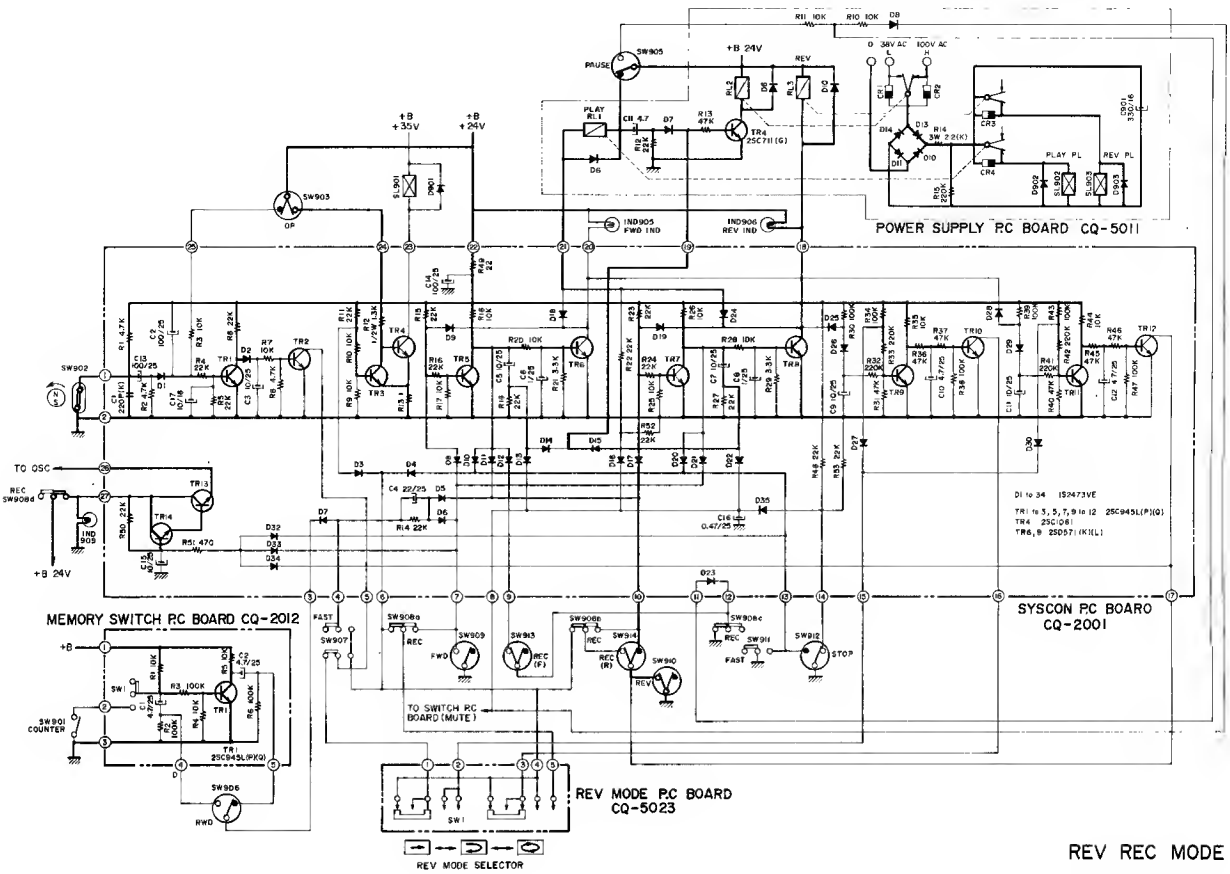
c) Because SW903 is turned ON, voltage is regularly supplied to TR3 base through R10 and R11, and TR3 is turned ON. Consequently, TR4 base electric potential is decreased to near ground electric potential, TR4 is turned OFF, and Stop Plunger maintains OFF condition.

d) Since TR6 and TR8 base electric potentials are decreased to near ground electric potential because SW911 is ON, TR6 and TR8 is turned OFF, and RELAY, PLUNGER, etc. maintains OFF condition.

4) Forward REC (Refer to SCHEMATIC–6)

a) When Rec and Forward keys are depressed (SW903, SW909, SW913, SW914, SW908 a,b,c, and d are ON), REC LAMP (IND 909), TR13 and TR14 are turned ON due to SW908d and +B is supplied to the OSC circuit to start OSC circuit operation.

b) Since Forward key is also depressed, items 1) to 5) under Forward Play condition is also achieved to bring the deck into FORWARD REC MODE.



REV REC MODE

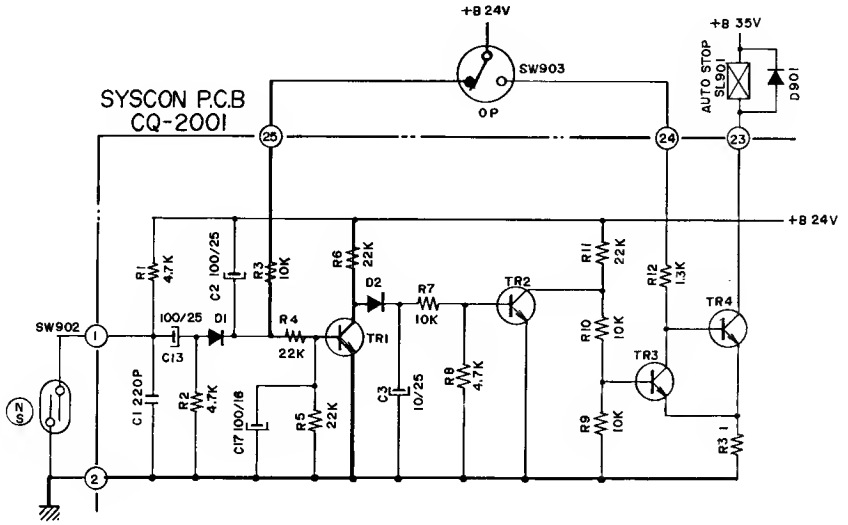
SCHEMATIC–7

5) Reverse **REC (Refer to SCHEMATIC–7)**

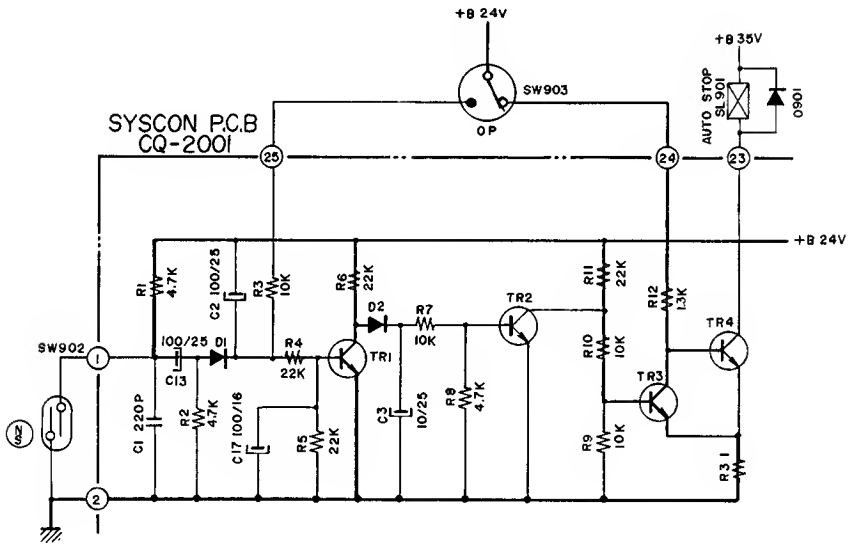
a) When Rec and Reverse keys are depressed, SW903, SW910, SW913, SW914, SW908 a,b,c and d are turned ON. Rec LAMP (IND 909), TR13, and TR14 are turned ON when SW908d is turned ON and +B is supplied to OSC circuit to operate OSC circuit.

b) At the same time, REV key is depressed so that the conditions in items a) to e) under REV Play occurs simultaneously to achieve REV REC MODE.

2. AUTOMATIC STOP OPERATION



SCHEMATIC–8



SCHEMATIC–9

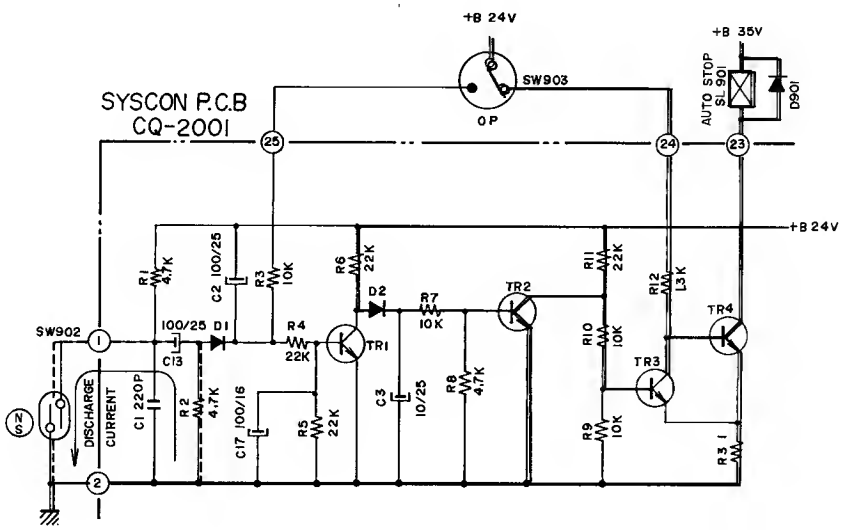
1) During Tape Travel (Refer to SCHEMATIC–9)

a) When tape is traveling (condition at which tape counter rotates), the magnet rotates and the Reed switch is at ON–OFF condition.

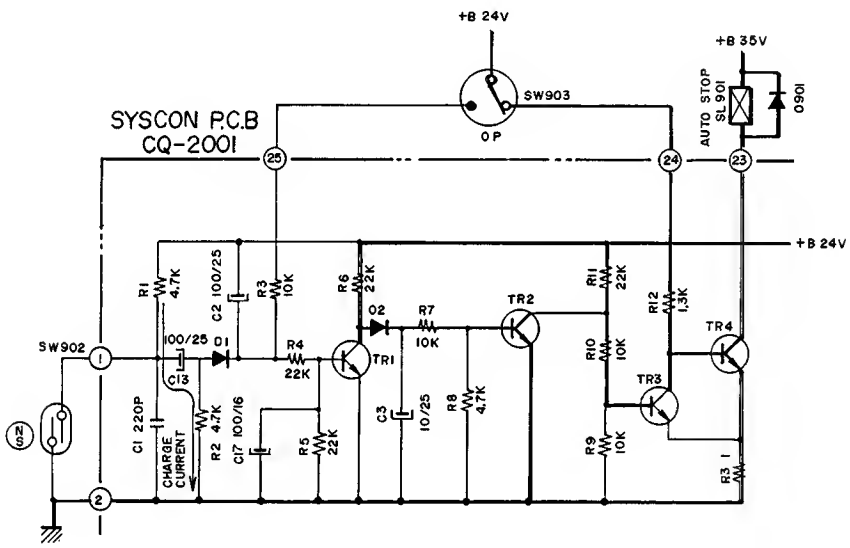
b) When the Reed switch is turned ON and OFF, C13 is repeatedly charged/discharged and the AC signal is generated on the anode side of D1. This AC signal is rectified at D1 and smoothed at C2 and becomes the base bias of TR1.

c) Accordingly, TR1 maintains ON condition, and TR2 turns OFF because TR2 base is inverse biased through D2.

d) Also, TR3 is turned ON by a supply of forward bias, and TR4 base electric potential is decreased through TR3. Since this maintains OFF condition, STOP PLUNGER (SL901) does not operate.



SCHEMATIC–10



SCHEMATIC–11

2) When Tape Travel Stops with Reed switch ON (Refer to SCHEMATIC–10)

a) When the tape travel is stopped with the Reed switch at ON condition, the electric charge charged at C13 is discharged through Reed switch and R2.

b) Accordingly TR1 is turned OFF because the AC signal generated on the anode side of D1 stops. When TR1 is turned OFF, TR1 collector electric potential increases and bias is supplied to TR2 to turn ON TR2.

c) When TR2 is turned ON, TR3 base electric potential decreases and TR3 is turned OFF. At the same time, base bias is supplied to TR4 and TR4 is turned ON.

d) Because TR4 is turned ON, STOP PLUNGER (SL901) operates and STOP mode is effected.

e) By the STOP PLUNGER operation, SW903 is turned OFF. This causes flow of base bias to TR1 through SW903, R3 and R4 and subsequently TR is turned ON.

f) As a result, TR1 is turned ON and TR2, TR3, and TR4 are turned OFF as shown in SCHEMATIC–10. STOP PLUNGER is thereby released. (The release occurs in extremely short period.)

3) When Tape Travel Stops with Reed Switch OFF (Refer to SCHEMATIC–11)

a) When the tape travel is stopped with the Reed Switch at OFF condition, charge current begins to flow through R1→C13→R2 to C13.

b) While charge current is flowing to C13, voltage is generated on both sides of R2. But when charging of C13 is completed, voltage is not generated.

c) Same as Item 2) b) to f).

3. REV MODE SELECTOR OPERATIONS

(Refer to SCHEMATIC–2, 3)

1) ONE-WAY (FWD OR REV) PLAYBACK MODE ( ) OPERATION

a) In the mode, terminals ① ③ ④ on REV MODE P.C BOARD (CQ-5023) are connected.

b) When the tape stops at the end, TR1 is turned OFF because bias is not supplied to TR1 base. At the same time, due to the increase of TR1 collector voltage, base bias is supplied to TR2 and TR2 is turned ON.

c) When TR2 is turned ON, TR3 base bias is decreased to about the same electric potential as ground through R1, D3 and TR2, and thereby TR3 is turned OFF. Accordingly, TR3 collector voltage increases, base bias is supplied to TR4, and TR4 is turned ON.

d) Stop Plunger (SL901) operates and AUTOMATIC STOP is effected when TR4 is turned ON.

2) ONE CYCLE FWD OR PLAYBACK MODE ( ) OPERATION

a) In the mode, REV MODE P.C BOARD (CQ-5023) terminals from ① and ② are connected as well as from ③ and ④.

b) When the tape stops after FWD PLAYBACK, TR1 is turned OFF because bias is not supplied to TR1 base. At the same time, due to the increase of TR1 collector voltage, base bias is supplied to TR2 and TR2 is turned ON.

c) When TR2 is turned ON, TR11 base bias is decreased to about the same electric potential as ground through R43, D30, and TR2 as well as through R39, D28, and TR6. This turns TR11 OFF. TR12 is then turned ON because base bias is supplied to TR12 through R45 and R46 when TR11 is turned OFF.

d) TR7 is turned OFF because TR7 base bias is decreased to near ground electric potential by means of R23, D17, SW908b, and TR12 when TR12 is turned ON. Then a base bias is supplied to TR8 through R29 and R28, and TR8 is turned ON. Likewise, TR6 is turned OFF because TR6 base bias is decreased to near ground electric potential by means of R18, D11 SW908b, and TR12 when TR12 is turned on. This release FWD PLAY mode.

e) Since TR8 is turned ON, REV PLUNGER operates and REV PLAY starts.

f) When the tape stops at the end of REV PLAY, TR1 is turned OFF because base bias supply to TR1 is stopped and TR2 is turned ON because base bias is supplied to TR2.

g) TR9 base bias is decreased to about the same electric potential as ground through R34, D27, and TR2 as well as R30, D25, and TR8 when TR2 is turned ON. As a result, TR9 is turned OFF. On the other hand, base bias is supplied to TR10 through R35, R36, and R37, and TR10 is turned ON.

h) When TR10 is turned ON, TR3 base bias is decreased to near ground electric potential through R11, D3, and TR10. As a result TR3 is turned OFF and TR4 is turned ON. Stop Plunger (SL901) operates and STOP mode is effected when TR4 is turned ON.

3) CONTINUOUS PLAYBACK MODE ( ) OPERATION

a) In the mode, REV MODE P.C BOARD (CQ-5023) terminals from ① and ② are connected as well as from ③ and ⑤.

b) Because REV MODE P.C BOARD (CQ-5023) terminal ④ is OPEN, base bias is continuously supplied to TR3. Therefore, TR3 and TR4 are always ON and, thus, STOP PLUNGER does not operate in the mode.

c) The operation as deck changes from FWD to REV and until the end of REV condition is the same as the operation described in items b) to g) under mode.

d) When TR10 is turned ON, TR8 base bias is decreased to about the same electric potential as ground through R26, D21, and SW908a. So TR8 is turned OFF and REV PLAY stops.

e) TR5 base bias is also decreased to near ground electric potential through R15, D8, SW908a, and TR10, and TR5 is turned OFF when TR10 is turned ON. At the same time, base bias is supplied to TR6 through R18 and R20, and TR6 is turned ON. FWD PLAY starts.

f) Therefore, when REV MODE P.C BOARD SWITCH SW1 is set to , continuous PLAY: FWD→REV→FWD can be accomplished.

4. MEMORY OPERATION

The tape counter includes a switch that makes contact when the tape counter indicator reaches "900" and separates when the indicator reaches "000". The deck can automatically enter STOP mode from Fast Forward or Rewind. If FF and REV keys are depressed together, the deck can enter REV mode from Fast forward. If Rewind and Forward keys are depressed together the deck can enter Forward mode from Rewind.

1) Fast Forward→STOP Operation

(Refer to SCHEMATIC–1, 4)

a) When the tape counter indicator reaches "900" during Fast Forward mode, the switch (SW901) within the tape counter is turned ON, and TR1 is turned OFF because TR1 base bias is decreased to near ground electric potential through SW901.

b) Accordingly, TR1 collector voltage increases and electric charge current starts to flow to C2 through R5. (C2 is charged in extremely short period).

c) The switch (SW901) within the tape counter turns OFF at the moment the counter indicator reaches "000" during Fast Forward.
d) As SW901 is turned OFF, charge current starts to flow into C1 and completes its charge in a short period. The electric potential between C1 and R1 increases, bias is supplied to TR1 base, and TR1 is turned ON.
e) At the instant TR1 is turned ON, the electric charge that was charged to C1 during the time TR1 was OFF starts to discharge through TR1 and R6.
f) Accordingly, the electric potential between C2 and R6 decreases and as the anode sides of D3 and D7 (SYSCON P.C BOARD) are minus biased, TR3 is turned OFF and TR4 is turned ON so that the STOP PLUNGER operates.
g) The Fast Forward key lock is released when the Stop Plunger operates and the deck goes into a STOP mode.

2) Rewind→Stop Operation

(Refer to SCHEMATIC–1, 5)

a) In the Rewind mode, C1 is charged through R1→C1→R2 and TR1 is turned ON because base bias is supplied to TR1 through R1→R3.
b) At the moment the tape counter indicator decreases to "000" as rewind takes place and reaches "999", the switch (SW901) within the tape counter makes contact and the electric charge charged to C1 starts to discharge through R2.
c) When discharge begins at C1, the voltage between C1 and R2 gradually decreases, the anode sides of D3 and D7 (SYSCON P.C BOARD) are minus biased, and TR3 (SYSCON P.C BOARD) is turned OFF. TR4 (SYSCON P.C BOARD) is then turned ON and STOP PLUNGER operates.
d) The rewind key lock is released when STOP PLUNGER operates and the deck goes into a STOP mode.

3) Rewind→Forward Play Operation

(Refer to SCHEMATIC–2, 5)

a) Same as Rewind→Stop operation 1) to 6).
b) In Rewind→Forward Play operation, since Rewind and Forward keys are both depressed, Rewind key is released before Forward key mechanically when Stop Plunger operates. Therefore, Forward Play can be effected from Rewind mode.

4) Fast Forward→Reverse Play Operation

(Refer to SCHEMATIC–3, 4)

a) Same as Fast Forward→Stop Operation 1) to 3).
b) In Fast Forward→Reverse Play Operation, since Fast Forward and Reverse keys are both depressed, Rewind key is released before Reverse key mechanically when the stop plunger operates. Therefore, REV Play can be effected from Fast Forward mode.

VI. MECHANISM ADJUSTMENT

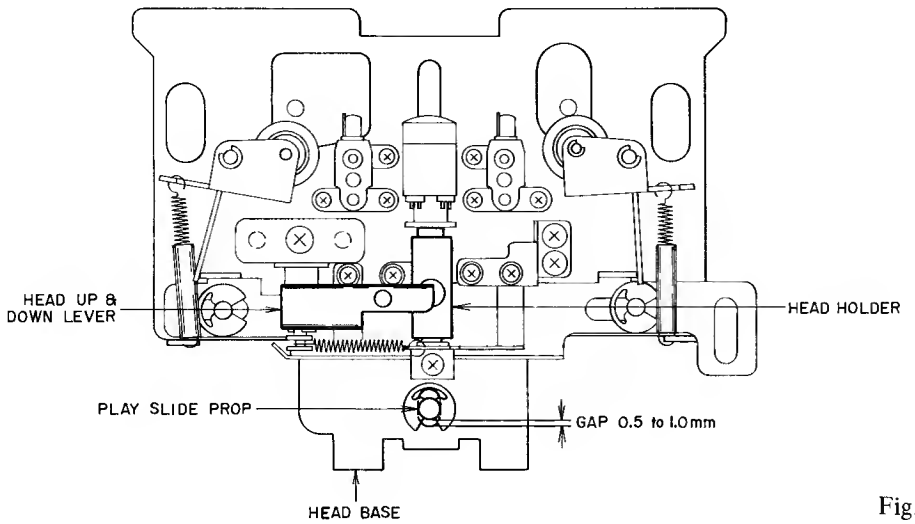


Fig. 4

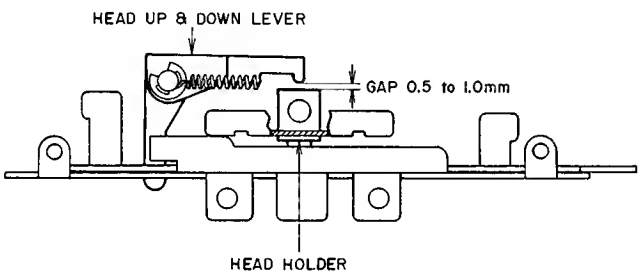


Fig. 5

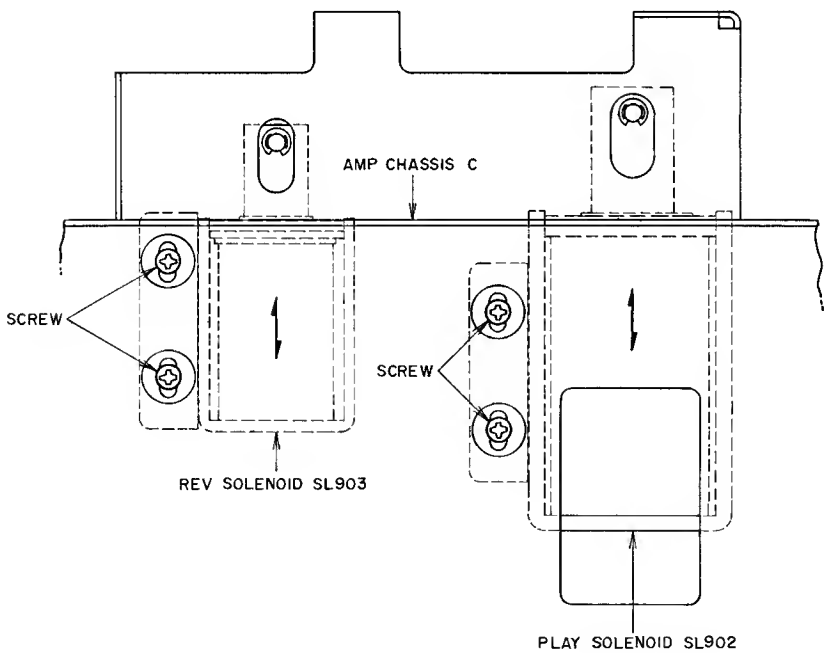


Fig. 6

1. PLAY SOLENOID INSTALLATION POSITION ADJUSTMENT

(Refer to Figs. 4, 5)

Set deck to playback mode and adjust position of play solenoid (SL902) shown in Fig. 5 so that the gap between the oval hole and play slide prop is 0.5 to 1.0 mm as shown in Fig. 4.

2. REVERSE SOLENOID INSTALLATION POSITION ADJUSTMENT

(Refer to Figs. 5, 6)

Set deck to reverse playback mode and adjust position of reverse solenoid (SL903) shown in Fig. 5 so that the gap between the head up and down lever and head holder is 0.5 to 1.0 mm as shown in Fig. 5.

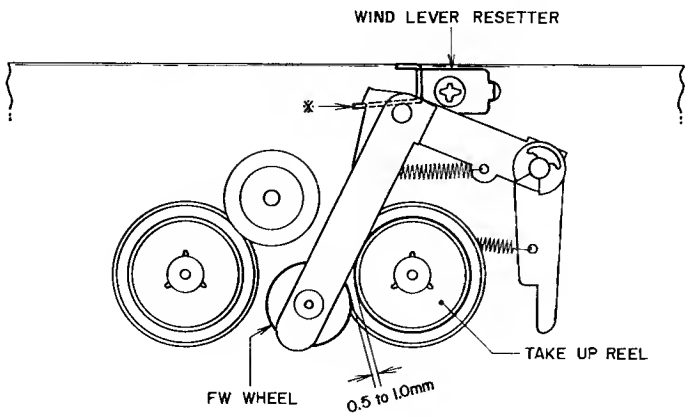


Fig. 7

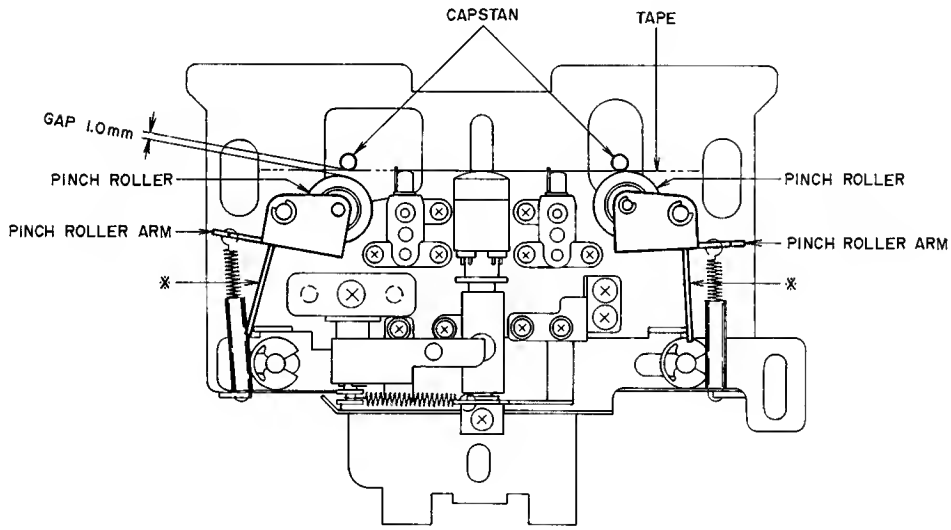


Fig. 8

3. FW WHEEL INSTALLATION POSITION ADJUSTMENT (Refer to Fig. 7)

Adjust by bending the part of wind lever resetter marked * in Fig. 7 so that at stop mode, the gap between FW Wheel and Take-up Reel is 0.5 to 1.0 mm.

4. PINCH ROLLER AND CAPSTAN GAP ADJUSTMENT (Refer to Fig. 8)

At FWD playback mode the left pinch roller separates from the capstan, and at REV playback mode, the right pinch roller separates from the capstan. Bend the part of left and right pinch roller arm marked * in the figure so that when the appropriate pinch roller separates from the capstan, the gap between the pinch roller and capstan is 1.0 mm at each respective mode.

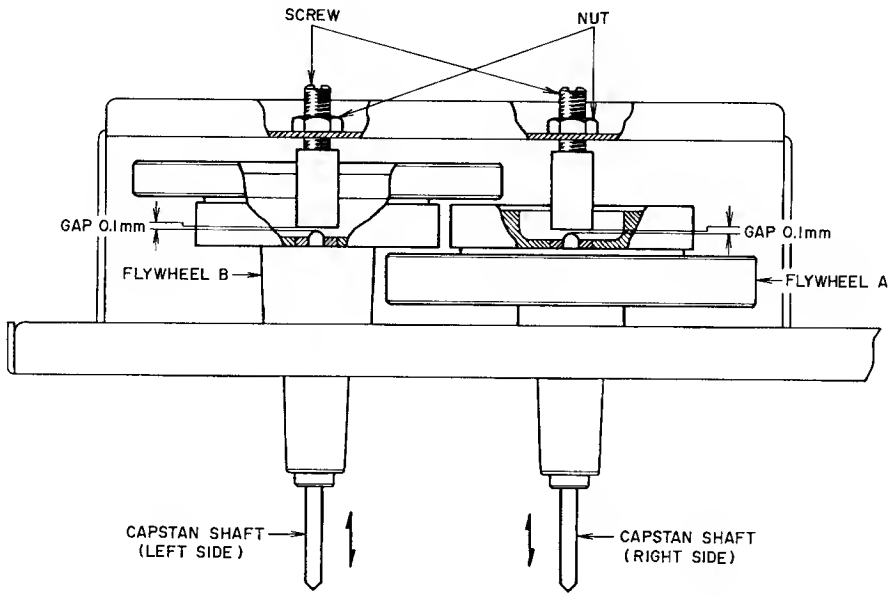


Fig. 9

5. CAPSTAN SHAFT LOOSE PLAY ADJUSTMENT (Refer to Fig. 9)

Adjust screws and tighten nuts at point at which when the capstan shafts are moved in the directions indicated by the arrow marks in the figure, capstan loose play is 0.1 mm.

VII. HEAD ADJUSTMENT

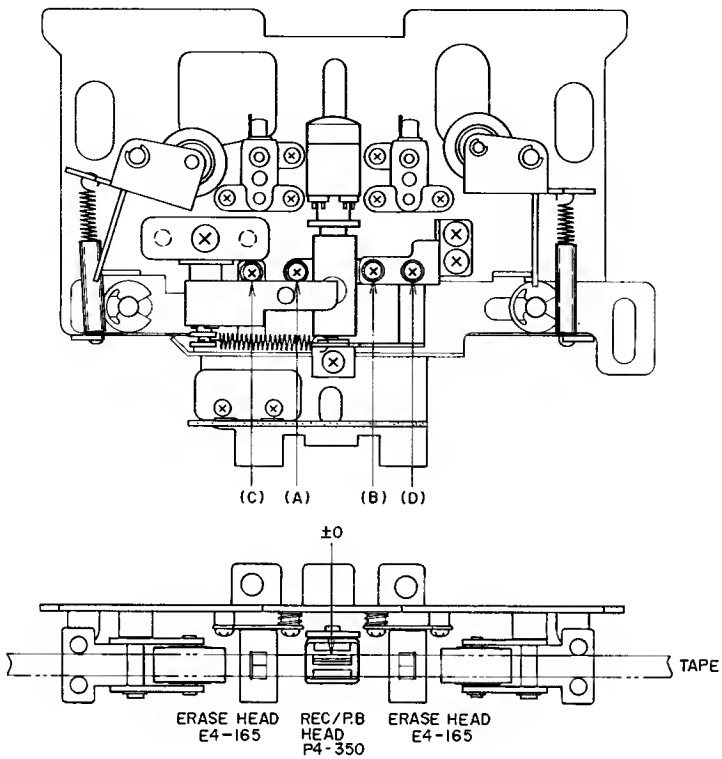


Fig. 10

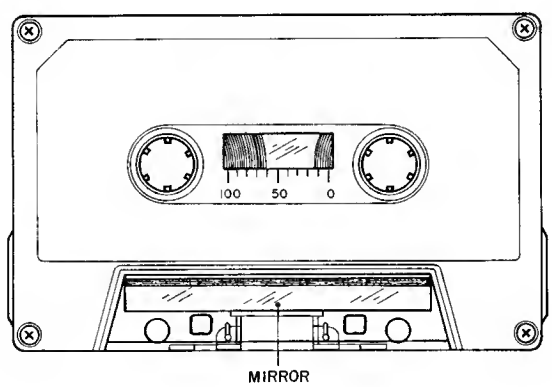


Fig. 11

Recording/Playback Head (P4-350) Alignment (Refer to Fig. 10)

Step	Adjustment Item	Test Tape Supply Signal	Mode	Adjustment Point	Remarks
1	Recording/Playback Head Height	4 track 1 kHz 0 VU recorded test tape	FWD PLAY	(A)	Maximum output, both channels. (Refer to Note 1)
2	Recording/Playback Head Azimuth	10 kHz recorded test tape	FWD PLAY	(C)	Maximum output, both channels.
3	Recording/Playback Head Height	4 track 1 kHz 0 VU recorded test tape	REV PLAY	(B)	Maximum output, both channels. (Refer to Note 1)
4	Recording/Playback Head Azimuth	10 kHz recorded test tape	REV PLAY	(D)	Maximum output, both channels.

Chart–1

NOTES 1. When a 4 track, 1 kHz 0 VU recorded test tape is not available, for head height adjustment, use a cassette pack in which a mirror has been installed as shown in Fig. 11, and adjust head height adjustment screw until the edge of the head core and the edge of the tape are even.
2. Be sure to demagnetize the heads with a Head Demagnetizer before and after head adjustment.

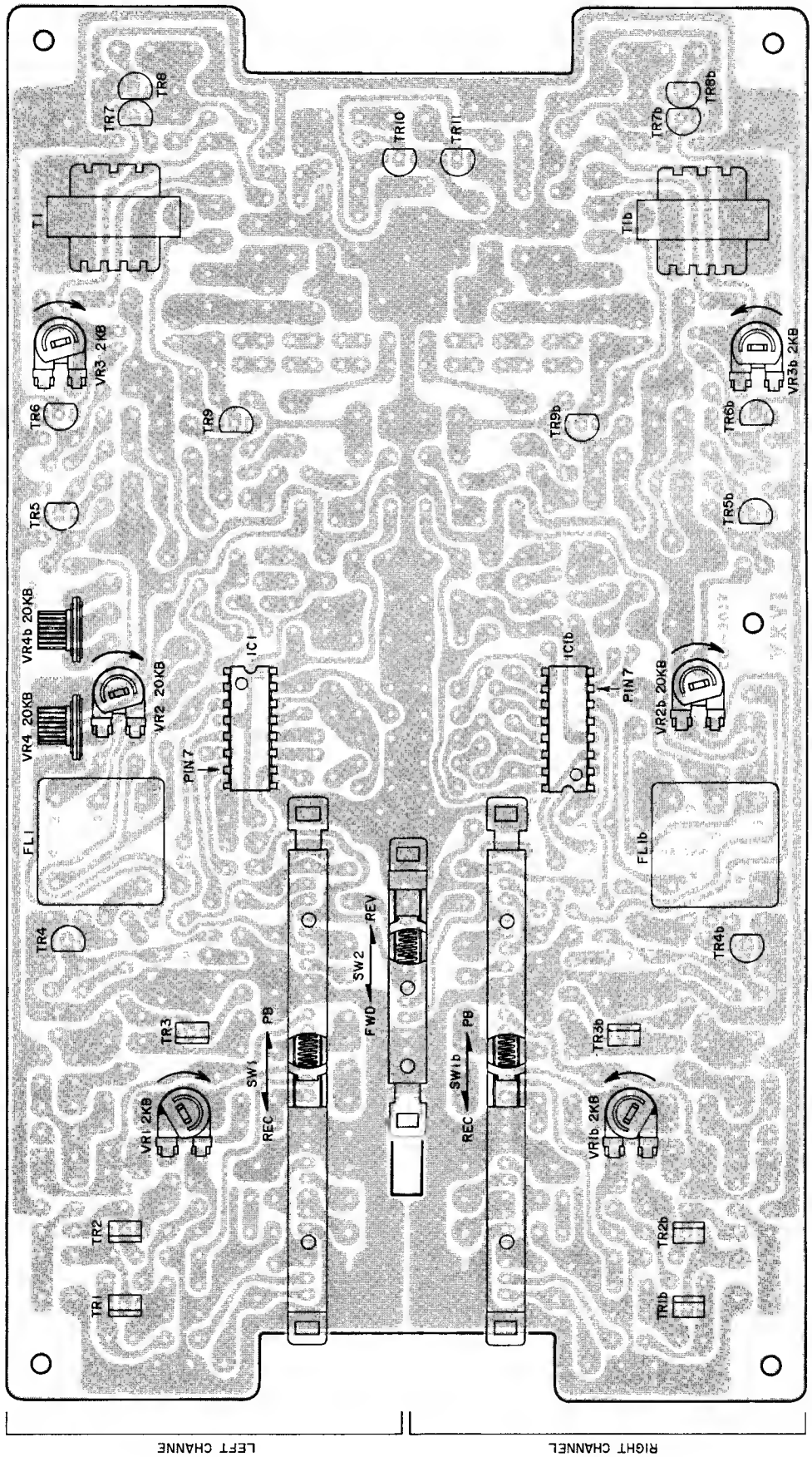


Fig. 12 Pre Amp P.C Board CQ-5015

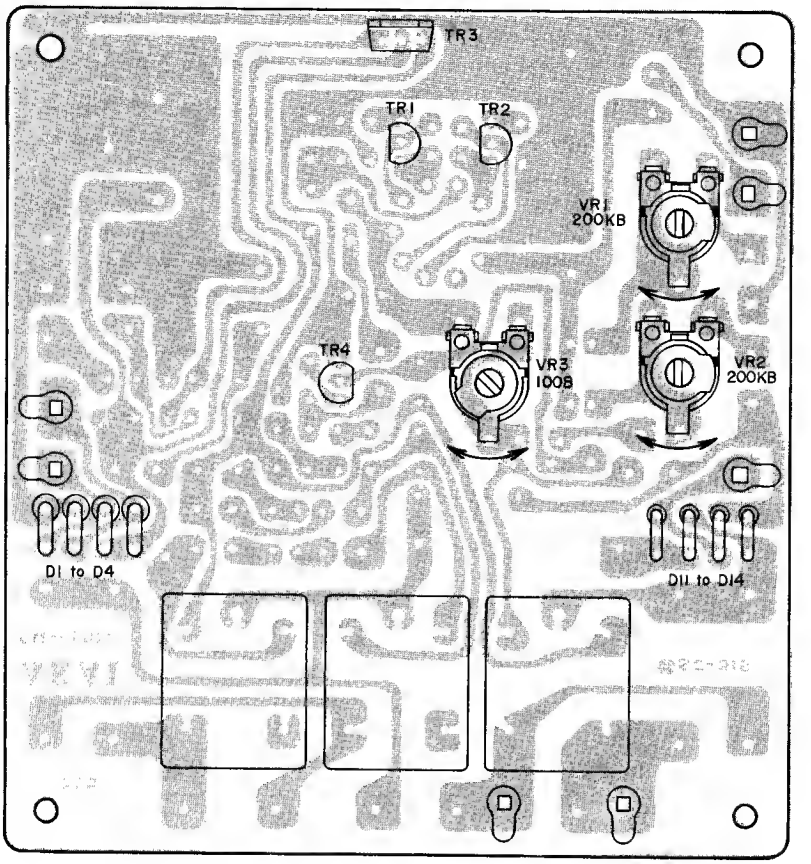


Fig. 13 OSC & Power Supply P.C Board CQ-5011

Step	Adjustment Item	Test Tape Supply Signal	Mode	Adjustment Point	Result	Remarks
1	Level of Dolby N.R. IC Pin 7	333 Hz 0 VU test tape	FWD PLAY	VR1 2 kB	−5.5 dBm (410 mV)	
2	Line Output level	333 Hz 0 VU test tape	FWD PLAY	VR2 20 kB	0 ± 0.5 dBm (0.775V)	
3	VU Meter Sensitivity	333 Hz 0 VU test tape	FWD PLAY	VR3 2 kB	0 VU	
4	Recording level (low noise tape)	Low noise blank tape, 1 kHz 0 VU recording	FWD REC	VR4 20 kB	0 ± 0.5 dBm (0.775V)	
5	Recording level (Chrome tape)	Chrome blank tape, 1 kHz 0 VU recording	FWD REC		−3 ± 1.5 dB	Confirmation only
6	Recording level (ferri-chrome tape)	Ferri-Chrome blank tape, 1 kHz 0 VU recording	FWD REC		0 ± 0.5 dBm (0.775V)	Confirmation only
7	Frequency Response (low noise tape)	Low noise blank tape, 1 kHz, 10 kHz −20 VU recording	FWD REC	VR1 200 kB (left ch) VR2 200 kB (right ch)	1 kHz, 10 kHz flat response	
8	Distortion Factor (Chrome tape)	Chrome blank tape, 1 kHz 0 VU recording	FWD REC	VR3 100B	Distortion minimum	

Chart–2

NOTES 1. The adjustments shown above are all at FWD mode. Adjustments at REV mode are not necessary, but confirmation of each step at REV mode should be made.
2. Adjustments should be made with Limiter, Dolby N.R., and Memory Switches at OFF position.
3. Output Control should be at maximum.
4. Tape Selector should be set to LOW NOISE position except when otherwise specified.
5. Use only the tape recommended for each adjustment.

Low Noise Tape:	Fuji FL C-60
Chrome Tape:	BASF CHROME DIOXIDE C-60
Ferri-chrome Tape:	Sony DUAD C-60

IX. DC RESISTANCE OF VARIOUS COILS

Part	Designation	DC Resistance
Motor	HM1-12CS	Between YLW-BLU 205 ohms Between BLU-RED 186 ohms Between RED-YLW 193 ohms
Oscillation Coil	OT-925	Between 1–3 0.3 ohms Between 4–6 1.5 ohms Between 7–9 6.1 ohms
Headphone Transformer	N19-349S	Primary 160 ohms ±15% Secondary 0.64 ohms ±15%
Play Solenoid	1660PHT3	700 ohms ±10%
Reverse Solenoid	1240PHT	600 ohms ±10%
Auto Stop Solenoid	0730THT1	15 ohms ±10%
Relay	LC1-C-JT DC24V	1,140 ohms ±10%
Recording/Playback Head	P4-350	180 ohms
Erase Head	E4-165	2.5 ohms

Chart–3

X. CLASSIFICATION OF VARIOUS P.C BOARDS

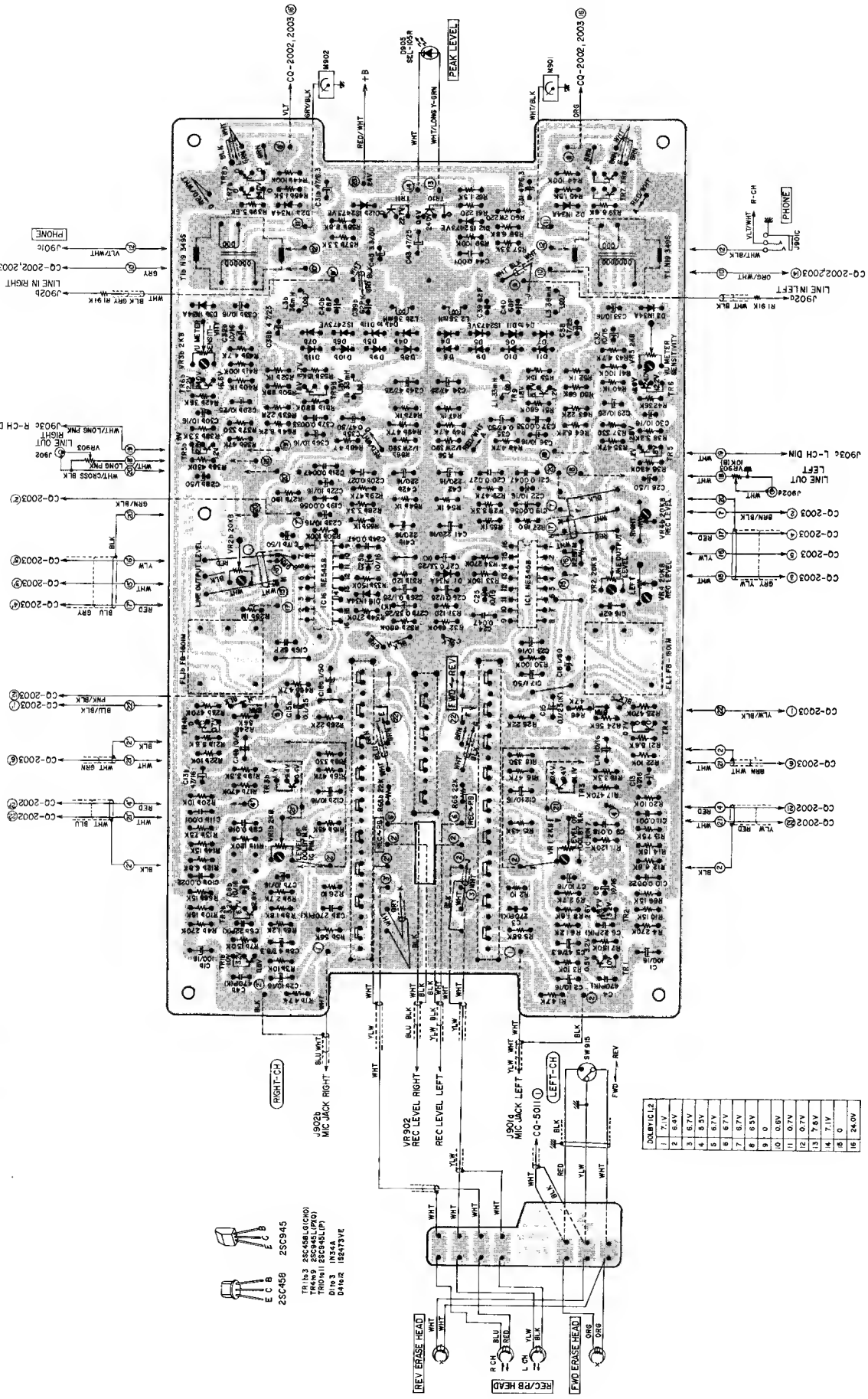
1. RELATION OF P.C BOARD TITLE AND IDENTIFICATION NUMBER

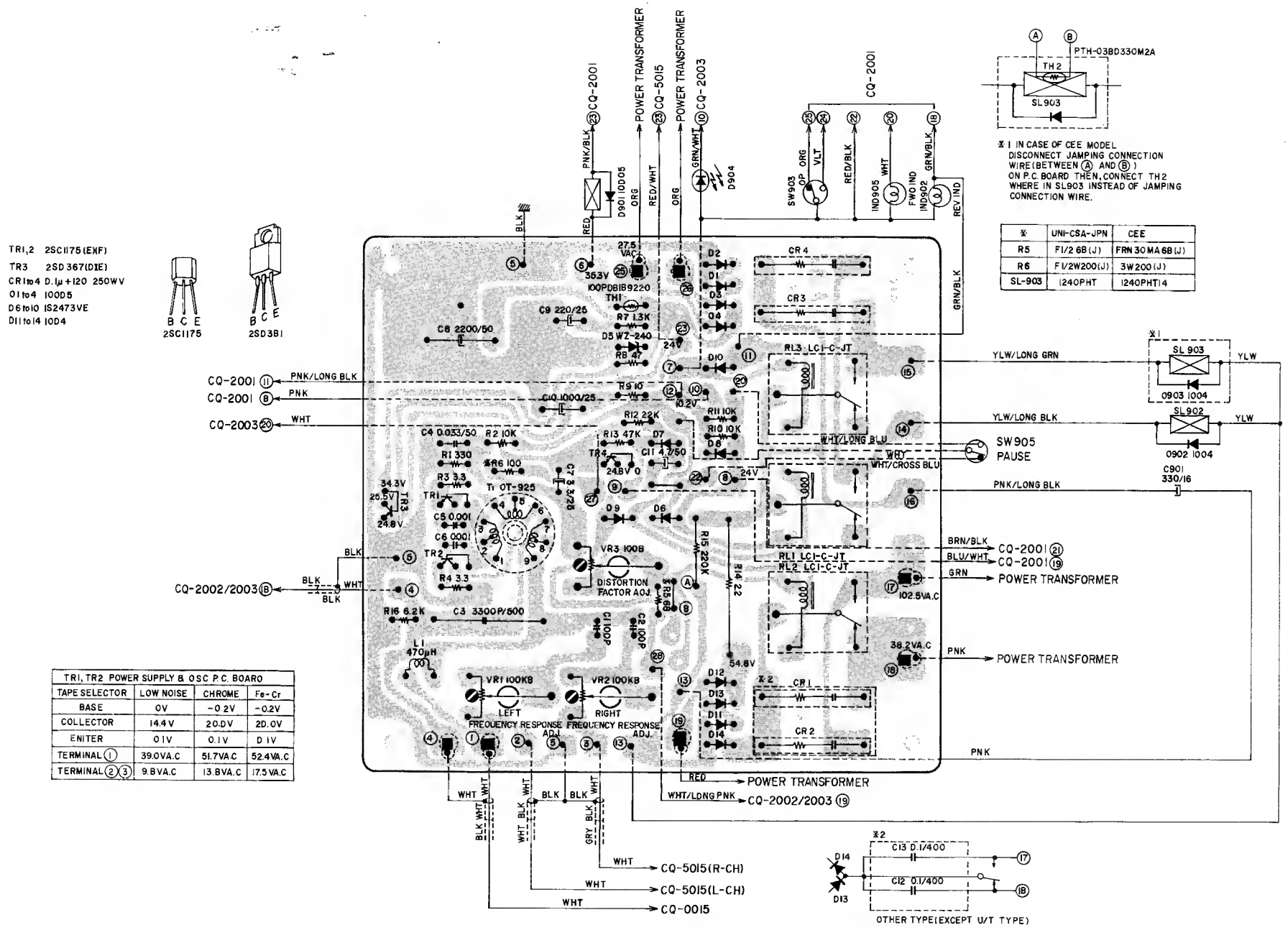
P.C Board	Number of P.C Board
Pre Amp P.C Board	CQ-5015
Relay P.C Board	CQ-0015
Power Supply, OSC P.C Board	CQ-5011
Switch P.C Board A	CQ-5002
Switch P.C Board B	CQ-5003
Jack P.C Board	CQ-5034
Rev Mode P.C Board	CQ-5023
System Control P.C Board	CQ-2001
Memory Switch P.C Board	CQ-2012
Lamp P.C Board B	CQ-5022
Lamp P.C Board	CQ-1076
LED P.C Board	CQ-5021

Chart–4

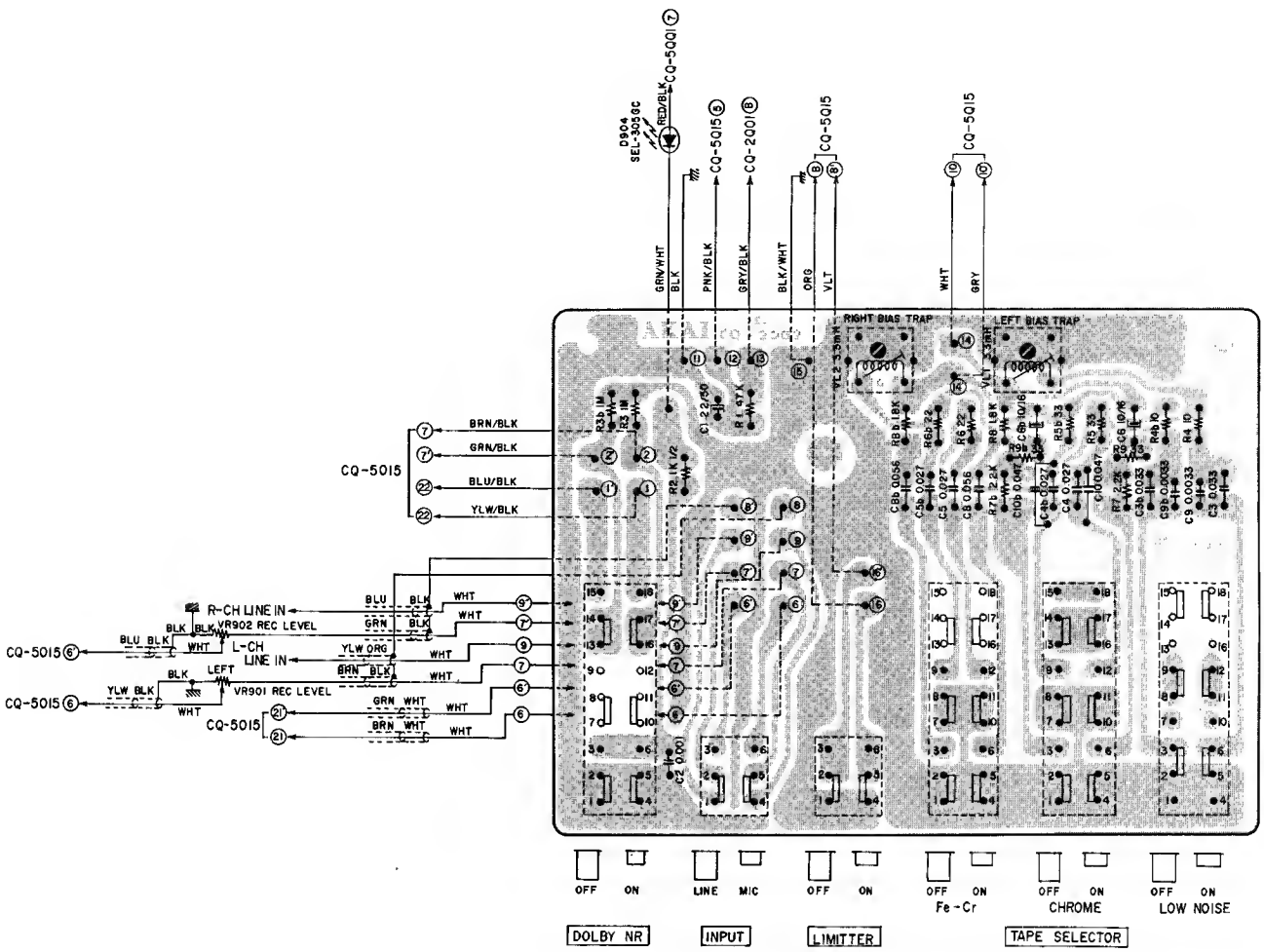
2. COMPOSITION OF VARIOUS P.C BOARDS

1) PRE AMP P.C BOARD CQ-5015 and RELAY P.C Board CQ-0015

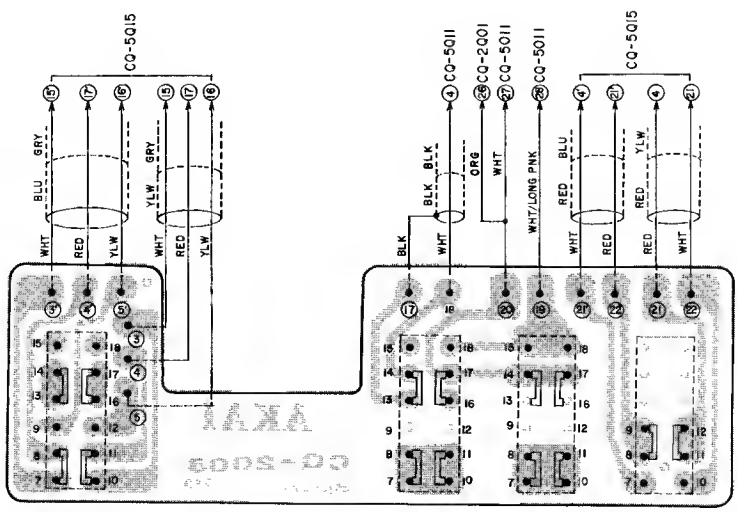



TR1,2 2SC1175(EXF)
TR3 2SD367(DIE)
CR1to4 D.1μ+120 250WV
D1to4 100D5
D6to10 IS2473VE
D11to14 10D4
B C E
2SC1175
B C E
2SD381
CQ-2001
POWER TRANSFORMER
CQ-5015
POWER TRANSFORMER
CQ-2003
D904
PTH-038D330M2A
TH2
SL903
※1 IN CASE OF CEE MODEL DISCONNECT JAMPING CONNECTION WIRE(BETWEEN Ⓐ AND Ⓑ) ON P.C. BOARD THEN, CONNECT TH2 WHERE IN SL903 INSTEAD OF JAMPING CONNECTION WIRE.
※ | UNI-CSA-JPN | CEE
R5 | F1/2 6B(J) | FRN 30 MA 6B(J)
R6 | F1/2W200(J) | 3W200(J)
SL-903 | 1240PHT | 1240PHT14
SW903 OP
VLT
IND905 WHT
FWD IND
IND902
REV IND
SW905 PAUSE
SL 903
SL 902
0903 1004
0902 1004
C901 330/16
CQ-2001 PNK/LONG BLK
CQ-2001 PNK
CQ-2003 WHT
CQ-2002/2003
TR1,TR2 POWER SUPPLY & OSC P.C. BOARD
TAPE SELECTOR | LOW NOISE | CHROME | Fe-Cr
BASE | 0V | -0.2V | -0.2V
COLLECTOR | 14.4V | 20.0V | 20.0V
EMITER | 0.1V | 0.1V | 0.1V
TERMINAL ① | 39.0VA.C | 51.7VA.C | 52.4VA.C
TERMINAL ②③ | 9.8VA.C | 13.8VA.C | 17.5VA.C
VR1 100KB LEFT FREQUENCY RESPONSE ADJ.
VR2 100KB RIGHT FREQUENCY RESPONSE ADJ.
VR3 100B DISTORTION FACTOR ADJ
TI OT-925
RL1 LC1-C-JT
RL2 LC1-C-JT
RL3 LC1-C-JT
YLW/LONG GRN
YLW/LONG BLK
WHT/LONG BLU
WHT/CROSS BLU
PNK/LONG BLK
BRN/BLK → CQ-2001 ㉑
BLU/WHT → CQ-2001 ⑲
GRN → POWER TRANSFORMER
PNK → POWER TRANSFORMER
RED → POWER TRANSFORMER
WHT/LONG PNK → CQ-2002/2003 ⑲
WHT → CQ-5015(R-CH)
WHT → CQ-5015(L-CH)
WHT → CQ-0015
※2
C13 0.1/400
C12 0.1/400
D14
D13
OTHER TYPE(EXCEPT U/T TYPE)

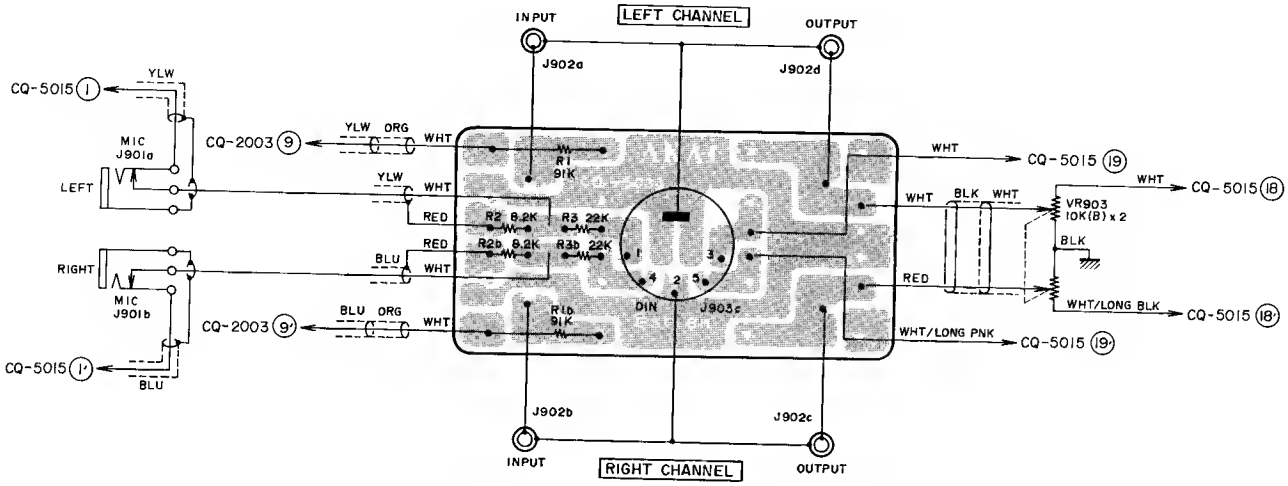
3) SWITCH P.C BOARD A CQ-5002



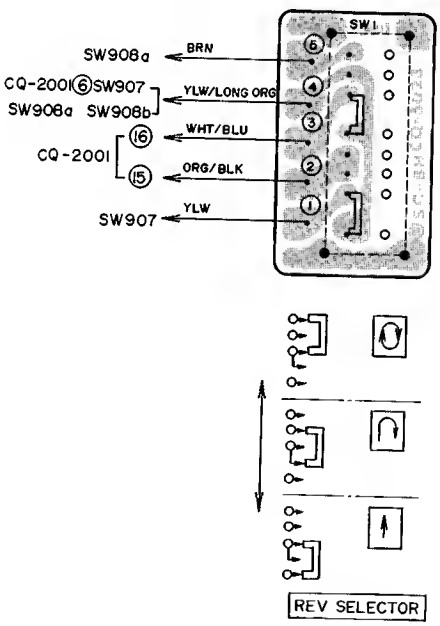
4) SWITCH P.C BOARD B CQ-5003



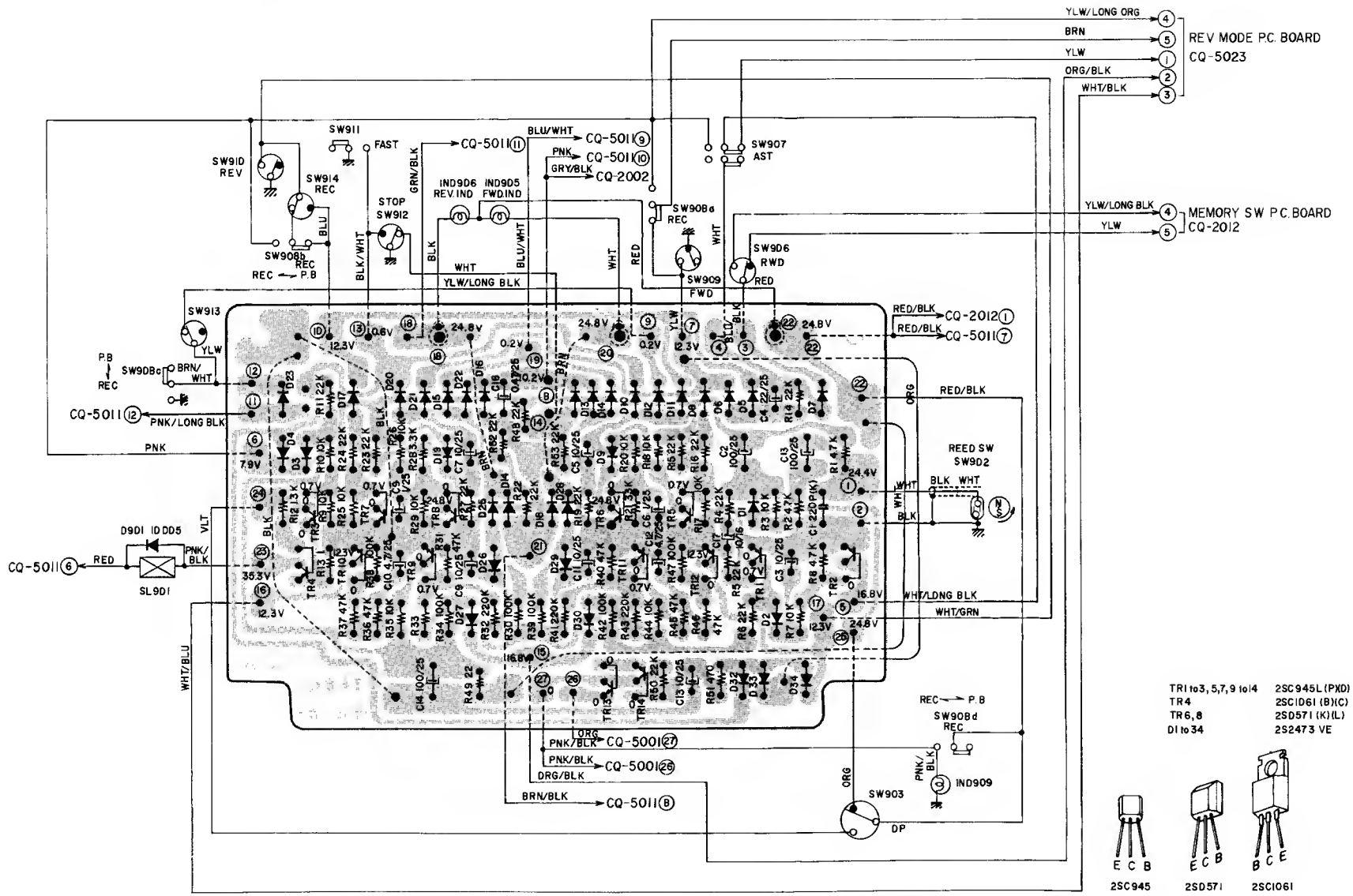
5) JACK P.C BOARD CQ-5034



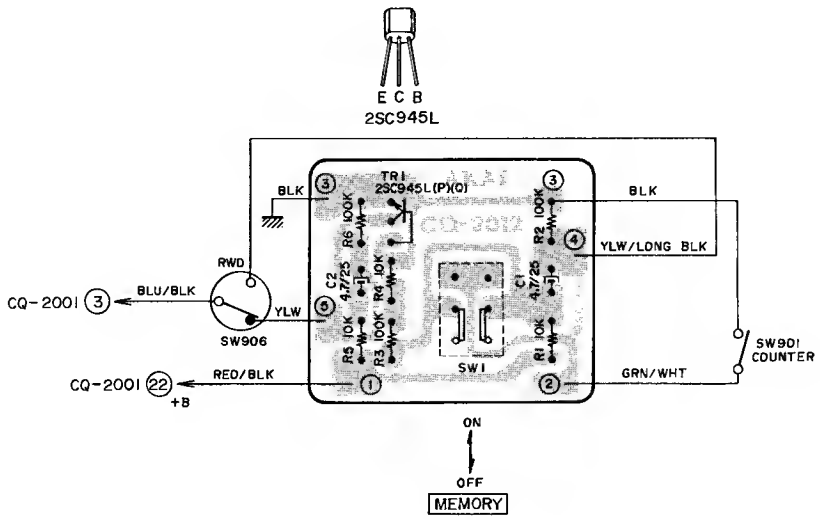
6) REV MODE P.C BOARD CQ-5023



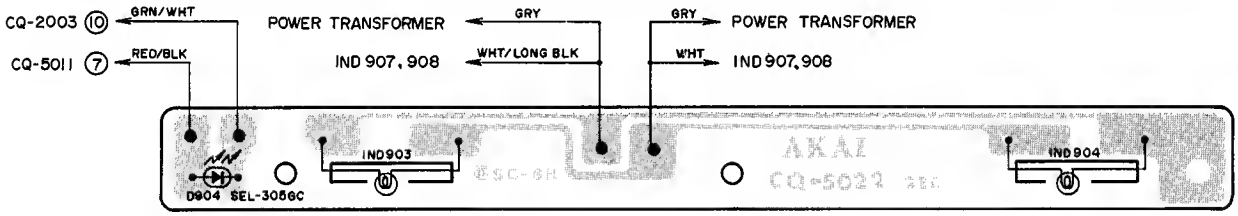
7) SYSTEM CONTROL P.C BOARD CQ-2001



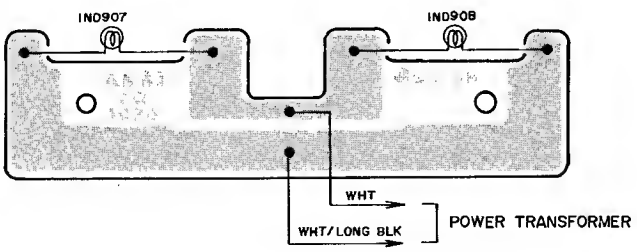
8) MEMORY SWITCH P.C BOARD CQ-2012



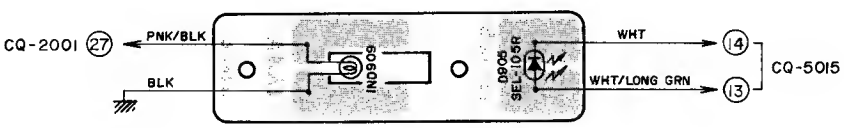
9) LAMP P.C BOARD B CQ-5022



10) LAMP P.C BOARD CQ-1076



11) LED P.C BOARD CQ-5021



SECTION 2

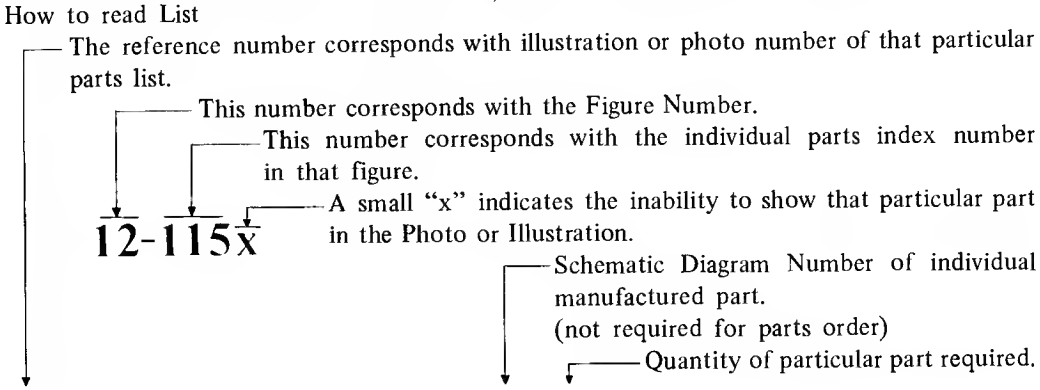
PARTS LIST

TABLE OF CONTENTS

Resistor and Capacitor which is not listed in this parts list, please refer to COMMON LIST FOR SERVICE PARTS.

HOW TO USE THIS PARTS LIST

1. This parts list is compiled by various individual blocks based on assembly process.
2. When ordering parts, please describe parts number, serial number, and model number in detail.
3. How to read List



Ref. No.	Parts No.	Description	Schematic No.	Q'ty
		FLYWHEEL BLOCK #13		
12-115x	800425	Flywheel Block Assy. Comp.	RDG #13	1
12-116	244506	Flywheel Only	RD-233	1
12-117x	244754	Felt, Flywheel	RD-275	1
12-118	251324	Main Metal Case	RD-236	1
12-119	253080	Main Metal	RD-237	1

4. The symbol numbers shown on the P.C. Board list can be matched with the Composite Views of Components of the Schematic Diagram or Service Manual.
5. Please utilize separate "Common List for Service Parts" for Resistor Parts orders.
6. The shape of the parts and parts name, etc. can be confirmed by comparing them with the parts shown on the Electrical Parts Table of P.C. Board.
7. Both the kind of part and installation position can be determined by the Parts Number. To determine where a parts number is listed, utilize Parts Index at end of Parts List.
   It is necessary first of all to find the Parts Number. This can be accomplished by using the Reference Number listed at right of parts number in the Parts Index. (meaning of ref. no. outlined in Item 3 above).
8. Utilize separate "Price List for Parts" to determine unit price. The most simple method of finding parts Price is to utilize the reference number.

CAUTION:
1. When placing an order for parts, be sure to list the parts no. model no., and description. There are instances in which if any of this information is omitted, parts cannot be shipped or the wrong parts will be delivered.
2. Please be careful not to make a mistake in the parts no. If the parts no. is in error, a part different from the one ordered may be delivered.
3. Because parts number and parts unit supply in the Preliminary Service Manual (Basic Parts List) may be partially changed, please use this parts list for all future reference.

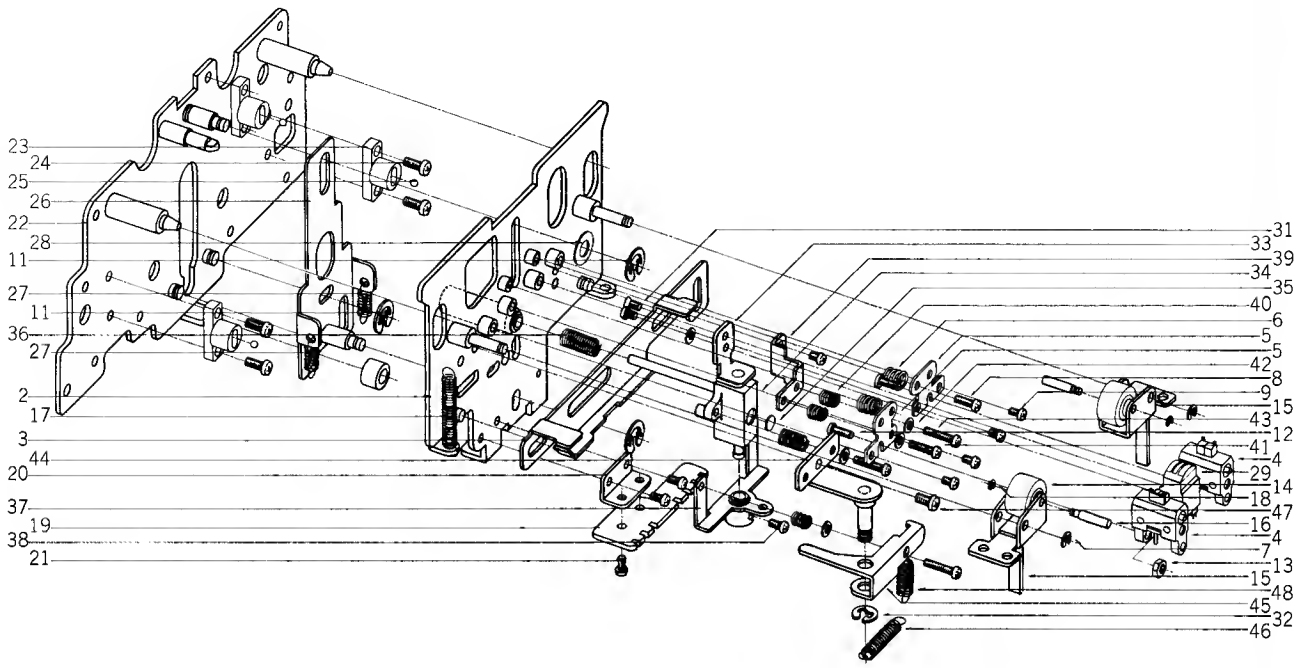
1. RECOMMENDED SPARE PARTS LIST

Because, if the parts listed below are on hand, almost any repair can be accomplished, we suggest that you stock these Recommended Spare Parts Items.

Parts No.	Description	Note
BA211746	SW P.C Board Comp. CQ-2002, CQ-2003	
BA211768	Syscon P.C Board Comp. CQ-2001	
BA211803	Memory SW P.C Board Comp. CQ-2012	
BA211972	Pre Amp P.C Board Comp. CQ-5015	
BA211994	Power Supply & OSC P.C Board Comp. CQ-5011	Switchable
BA235552	Power Supply & OSC P.C Board Comp. CQ-5011	CEE model
BA235563	Power Supply & OSC P.C Board Comp. CQ-5011	CSA model
BA235574	Power Supply & OSC P.C Board Comp. CQ-5011	JPN model
BA212040	Reverse Changing P.C Board Comp. CQ-5023	
BC219453	Wood Frame CQ-6008	
BD211634	Operation Panel Block Comp.	
BD211645	Front Panel Block Comp.	
BD681491	Lid Panel Block Comp.	Same as GXC-740D, 760D
BF217754	Flywheel A CQ-1072	
BF217765	Flywheel B CQ-1073	
BL211713	Take-up Lever Block Comp.	
BM211792	Motor (HM1-12CS) Block Comp.	
BR211691	Take-up Reel Table Block Comp.	
BR211702	Supply Reel Table Block Comp.	
BS218812	Keyboard SW Block Comp CQ-2045	
BT230984	Power Transformer CQT-1	T901 Switchable model
BT232165	Power Transformer CQT-3	T901 CEE model
BT232143	Power Transformer CQT-2	T901 CSA, JPN model
BZ210396	Clutch Block Comp.	Same as GXC-740D
BZ211904	Pause Button Block Comp.	
ED656357	Luminous Diode SEL-105R	D905
ED656346	Luminous Diode SEL-305GC	D904
E1605013	IC NE545B	
EL231265	Lamp (Cord Type) 24V 35mA	IND905, 906, 903, 904
EL295312	Lamp (L/T) 8V 0.2A	IND907, 908
EM234134	VU Meter KL-250L-10	M901, 902
EO669734	MPX Filter FB1801M	FL1
EP494425	Plunger Solenoid 0730THT1	SL901
EP638706	Plunger Solenoid 1660PHT-3	SL902
EP638695	Plunger Solenoid 1240PHT	SL903
EP616500	Relay LC1-C-JT DC24V	RL1, 2, 3
ES488970	Slide Switch SL-242B4BF	SW907
ES477966	Micro Switch SS-5GL	SW903, SW914, SW913
ES516036	Reed SW ORD-225	SW902
ES494188	Micro Switch SS-5GL-13	SW905

Parts No.	Description	Note
ES422414	Slide SW SL-242B4BD	SW908
ES665875	Push SW SDG-1P J TV-3 U/L	CSA and Switchable model
ES665807	Push SW SDG-5P 4A/32A 250V AC	CEE model
ES677305	Lever SW SLE54305	SW1
ET666404	Transistor 2SD571 (K) (L)	
EV691468	Vol VJ10R670 50 kA	VR901, 902
EV231017	Single axial 2 throw Vol. GJ70R526 10 kBx2	VR903
HE636963	Erase Head E4-165	Same as GXC-740D, 760D, 570D, 325D
HP571983	Rec/PB Head P4-350	Same as GXC-75D
MB217776	Capstan Belt CQ-1074	
MB666123	Drive Belt CA-1100	Same as GXC-710D
MB217787	Counter Belt CQ-1075	
MC213085	Counter SMP-390-98	
MP468292	Pinch Roller CG-0032	Same as GXC-710D, 75D
SK631056	Single Knob MY-6208	Rec Level Knob
SK219497	Single Knob CQ-6009	Output Knob
SK634410	Push Button Knob J 91-5051	

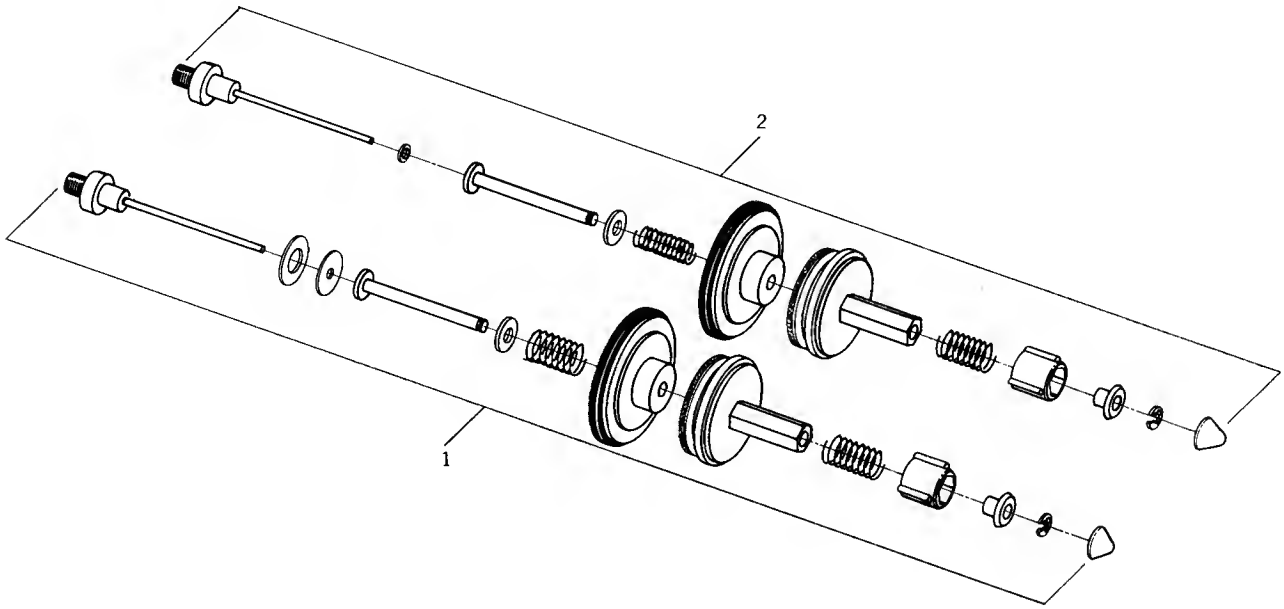
2. ILLUSTRATION OF HEAD BASE BLOCK



2) HEAD BASE BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
	HEAD BASE BLOCK			
2-1x	BH286637	Head Base Block Comp.	CQ-9806A-F	1
2-2	HZ268784	Head Base Part CQ	CQ-0001	1
2-3	TC216382	Changing Slide	CQ-0008	1
2-4	HE636963	ERASE HEAD E4-165 CW		2
2-5	HZ567202	Erase Head Plate	CP-0029	2
2-6	ZG227114	EH Adjust Spring	CA-0214	2
2-7	ZW270088	'E' Ring 1.9M	6-1-9	4
2-8	ZS356861	Screw, pan head 2x6		2
2-9	ZS477876	Screw, pan head 2x3		4
2-10x	ZS417161	Screw, pan head 2.3x4		2
2-11	ZW290283	'U' Ring 2.85M	6-1-1	7
2-12	ZS201936	Screw, binding head 2.3x6		2
2-13	ZW699052	Nut, M2.3 D2.3x5x2.3t		2
2-14	MP468292	Pinch Roller, CG D=13	CG-0032	2
2-15	ML216393	Pinch Roller Arm CQ	CQ-0009	2
2-16	MS389981	Pinch Roller Shaft	CS-0011	2
2-17	ZG216494	P Spring	CQ-0014	2
2-18	ZW391397	'E' Ring 1.2M	6-1-9	2
2-19	EA219600	Relay P.C Board	CQ-0015	1
2-20	TC293174	Relay Mt. Base	CQ-0022	1
2-21	ZS417161	Screw, pan head 2.3x4		2
2-22	TC268885	Sub Frame Part CQ	CQ 0003	1
2-23	MS645153	Ball Guide	CA-2013	3
2-24	ZS379350	Screw, pan head 3x6		6
2-25	MV250920	Steel Ball D2.38		3
2-26	TC268874	Playslide Part CQ	CQ-0011	1
2-27	ZG216483	Head Base Spring	CQ-0013	2
2-28	ZW374545	Washer (PBP) D5.1x10.3x0.4t		1
	HEAD BLOCK			
2-29	HP571983	REC/PB HEAD P4-350		1
2-30x	ZS300626	Screw, pan head 2x2.5 (Camera Standard)		2
2-31	ZS399148	Screw, countersunk head 2x3		1
2-32	ZW270101	'E' Ring 3M	6-1-9	3
2-33	HZ294524	Head Mt. Base (A) Part CQ	CP-0025	1
2-34	EZ696431	Head Holder Part CP	CP-0019	1
2-35	ZW567630	Up & Down Washer	CP-0017	1
2-36	ZG300828	Hold-down Spring (2)	CQ-0023	1
2-37	ML683594	Azimuth Lever Part CP	CP-0023	1
2-38	ZS375107	Screw, pan head 2.6x4		1
2-39	HZ567213	Adjust Base	CP-0031	1
2-40	ZG402895	CS Angle Adjust Spring	CS-0024	2
2-41	ZS484918	Screw, pan head 2x8		2
2-42	ZW318014	Washer (BSP) D2.6x4.5x0.4t		2
2-43	ZS572804	Screw, pan head 2x10		2
2-44	HZ268896	Head Up and Down Bracket (2) Part CQ	CQ-0005	1
2-45	ML216371	Head Adjust Lever 2	CQ 0007	1
2-46	ZG230051	Stop Spring	CQ-2046	1
2-47	ZS422076	Screw, pan head 3x5		1
2-48	ZG230692	Head Spring	CQ 0016	1

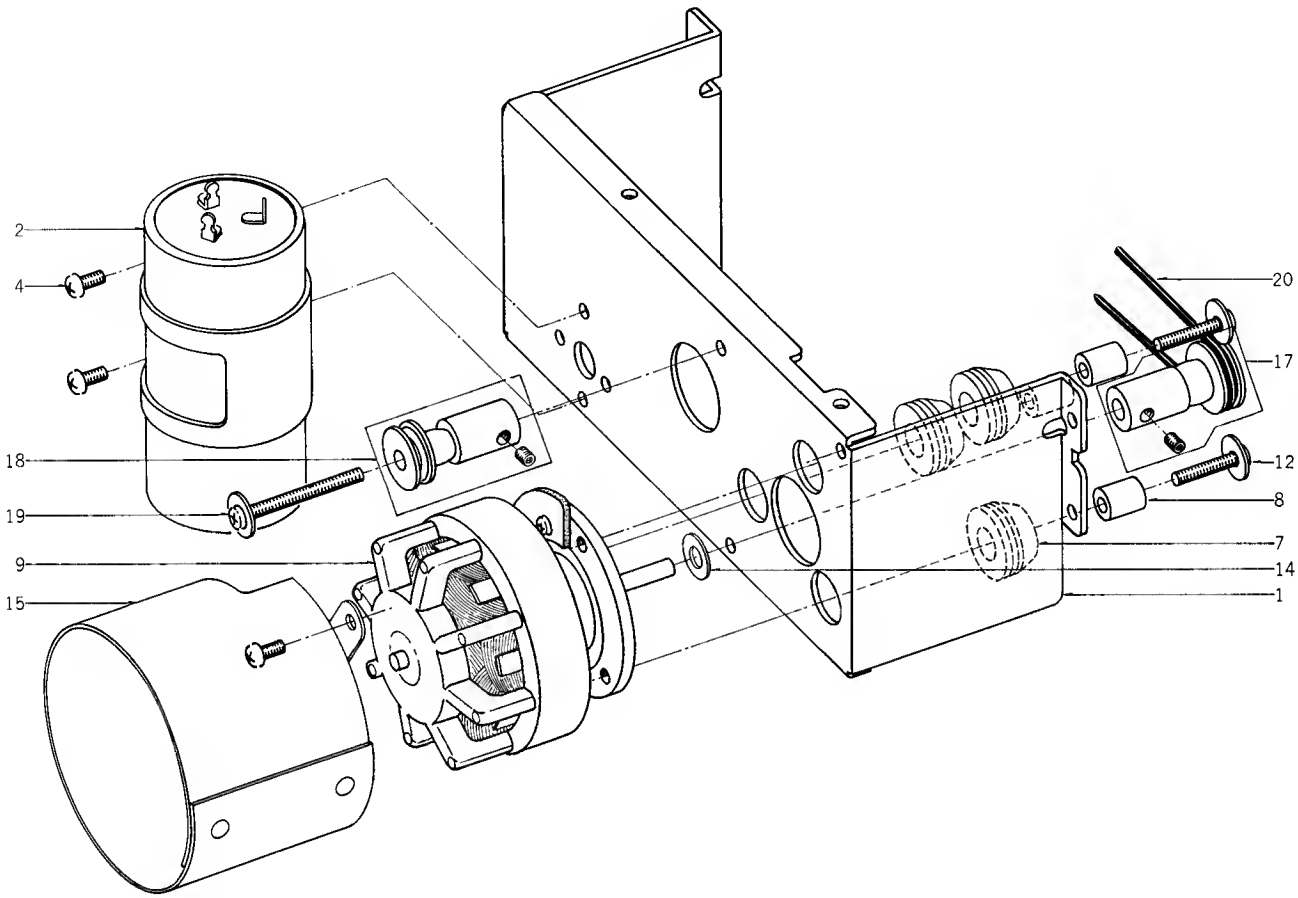
3. ILLUSTRATION OF REEL TABLE BLOCK



3) REEL TABLE BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
3-1	BR211702	Supply Reel Table Block Comp.	CW 9802	1
3-2	BR211691	Take-up Reel Table Block Comp.	CG 9801	1

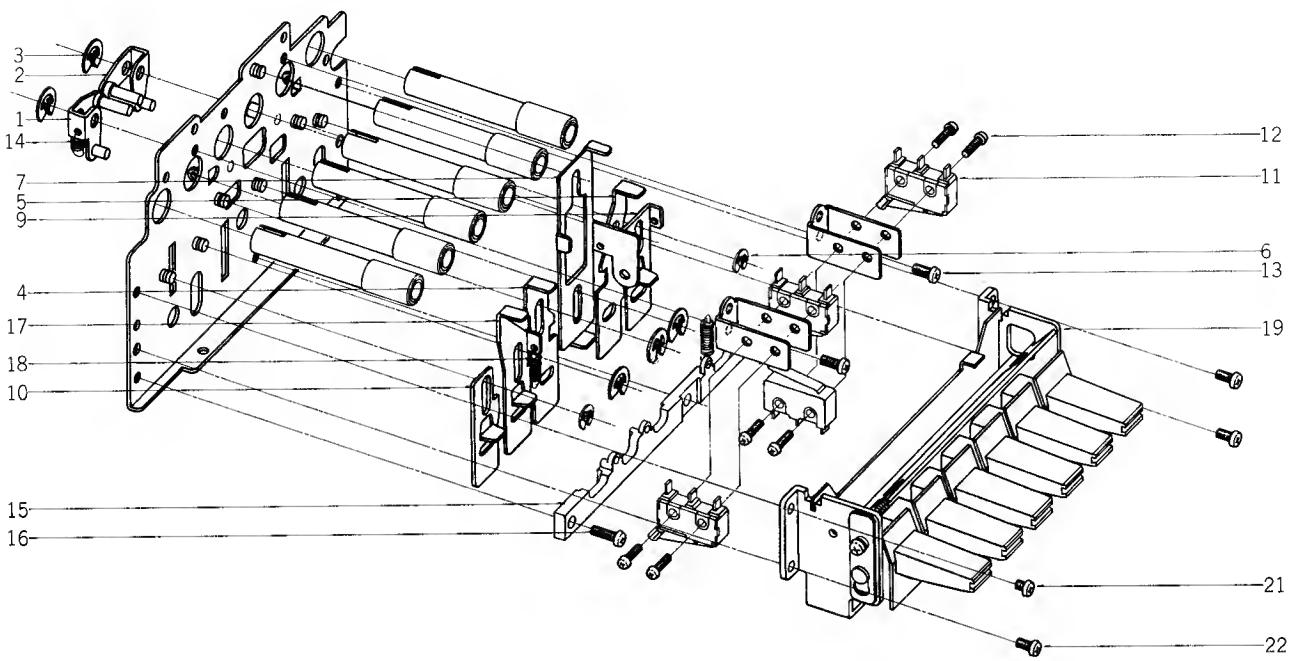
4. ILLUSTRATION OF MOTOR BASE BLOCK



4) MOTOR BASE BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
4-1	MZ219510	Motor Mt. Base	CQ-7001	1
4-2	EC641338	MP/C. (Lug Type UNI/D.) 7+1μF 150WV AC	24-9-95	1
4-3x	EC641340	MP/C. (Lug Type UNI/D.) 7μF 150WV AC (CSA)	24-9-101	1
4-4	ZS325495	Tapping Screw #2, 3×6 (BR)		4
4-5x	ZW562476	Earth Lug M3		2
4-6x	ZS455207	Tapping Screw #2, 3×5 (BR)		1
4-7	TC384164	Rubber Cushion Bush	24XO-717	3
4-8	MZ646290	Spacer 3×8.5	7-2-6	3
4-9	BM571904	Motor (HM1-12CS) Block Comp. GXC-75D		1
4-10x	EZ638965	Cord Support	2 7 50	1
4-11x	ZS379350	Screw, pan head 3×6 (CEE, CSA)		1
4-12	ZS290496	Screw, pan head 3×15 (W=10)		2
4-13x	ZS422965	Screw, pan head 3×15		1
4-14	ZW479294	Washer (SUP) D4.2×10×0.8t		1
4-15	TC642385	Motor Shield GXC-710D	CA-7005	1
4-16x	TC394075	Oil Cut	CS-7028	1
4-17	MR281845	Motor Pulley (A) Part GXC-730D	CQ 7002	1
4-18	MR281834	Motor Pulley (B) Part GXC-730D	CQ-7003	1
4-19	ZS608354	Screw, pan head 3×30		1
4-20	MB666123	Drive Belt	CA 1100	1

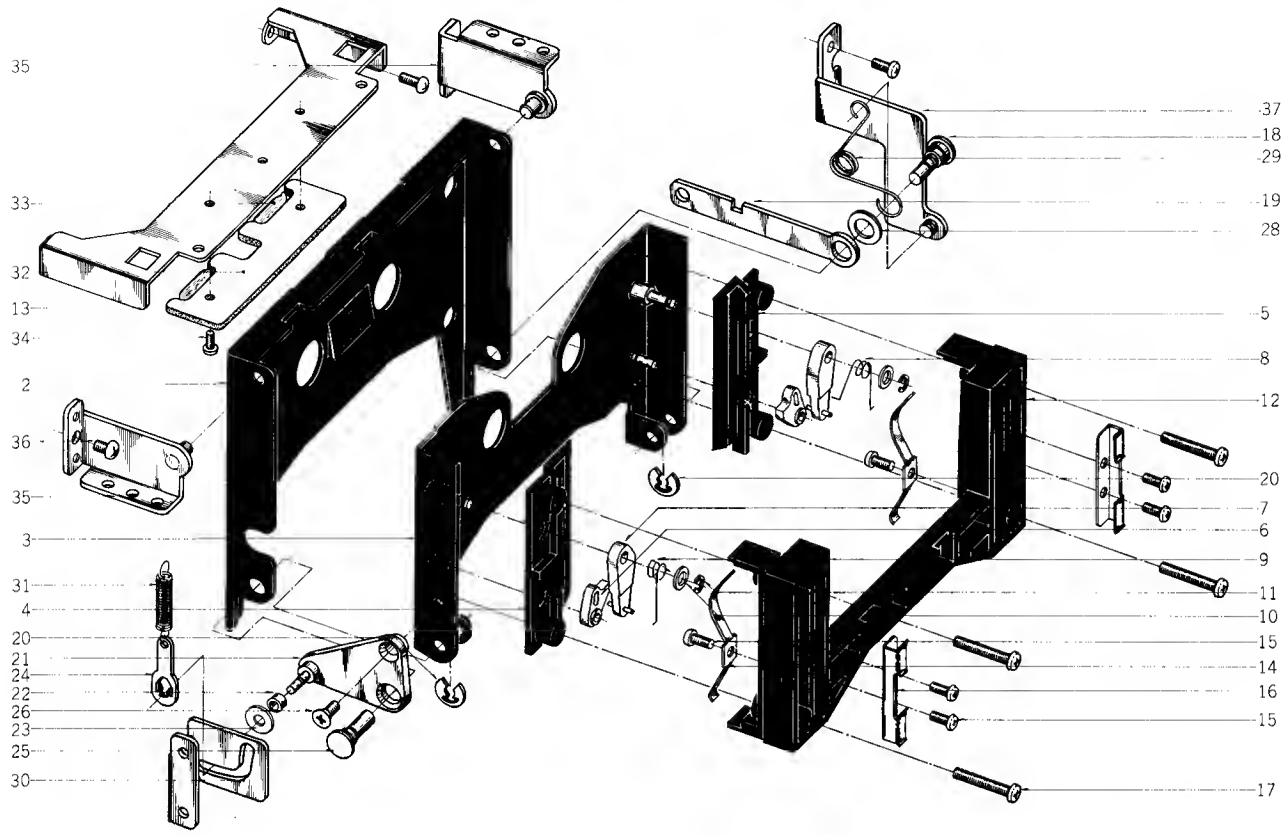
5. ILLUSTRATION OF SUB CHASSIS BLOCK



5) SUB CHASSIS BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
5-1	ML268918	Lock Lever (A) Part CQ	CQ-2041	1
5-2	ML268920	Lock Lever (B) Part CQ	CQ-2041	1
5-3	ZW290283	'U' Ring 2.85M	6-1-1	4
5-4	MZ218586	Play Slider A	CQ-2037	1
5-5	MZ218621	Play Slider B	CQ-2037	1
5-6	ZW270101	'E' Ring 3M	6-1 9	4
5-7	TC268841	Stop Slider Part CQ	CQ-2036	1
5-8	ZG387178	Idler Tension Spring	CS-1106	1
5-9	TC642161	Inter Lock Slide	CA-2033	1
5-10	MZ218711	Inter Lock Slide	CQ-2042	1
5-11	ES494188	Micro SW. SS-5GL-13	25-1-25	4
5-12	ZS391522	Screw, pan head 2.3x8		8
5-13	ZS325495	Tapping Screw #2 3x6 (BR)		2
5-14	ZG456120	Setting Lever Spring	CS-1187	2
5-15	MS645175	Slider Guide	CA-2035	1
5-16	ZS666336	Tapping Screw #2, 3x8 (PAN)		3
5-17	MZ218643	RWD Slide 1	CQ-2038	1
5-18	ZG422223	Return Spring	PX-A132	1
5-19	BK218812	Keyboard SW. Comp. CQ	CQ-2045	1
5-20x	ZS419670	Screw, pan head 3x12		1
5-21	ZS417216	Screw, pan head 3x4		2
5-22	ZS379350	Screw, pan head 3x6		2

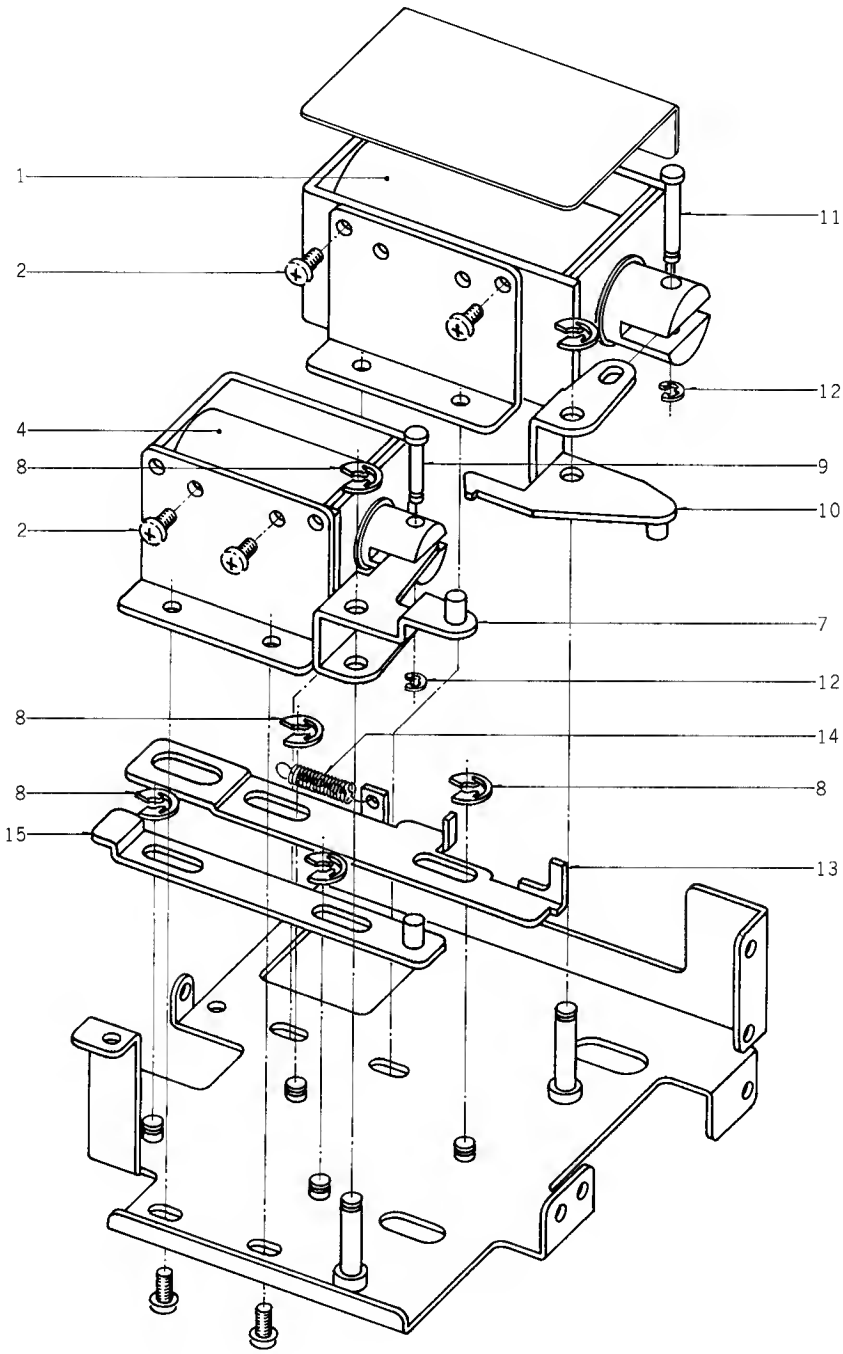
6. ILLUSTRATION OF CASSETTE HOLDER BLOCK



6) CASSETTE HOLDER BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
	CASSETTE HOLDER BLOCK			
6-1x	BZ211860	Cassette Holder Block Comp.	CB-2046	1
6-2	TC685260	Trap Part CA	CA-2020	1
6-3	TC646920	Cassette Rack CA	CA-2023	1
6-4	MS595563	Cassette Guide L	CH-2007	1
6-5	MS595552	Cassette Guide R	CH-2006	1
6-6	ML595574	Detector Lever A	CH-2008	2
6-7	ML595585	Cassette Lever B	CH-2009	2
6-8	ZG595618	Spring A	CH-2004	1
6-9	ZG595620	Spring B	CH-2005	1
6-10	ZW592391	Washer (PBP) D3.2x6x0.3t		2
6-11	ZW270088	'E' Ring 1.9M	6-1-9	2
6-12	TC647065	Cassette Case	CA-2024	1
6-13	TC645186	Reflector	CA-2071	1
6-14	ZG207257	Sheet Spring	CI-2019	1
6-15	ZS669104	Tapping Screw #2, 2.3x6 (PAN)		6
6-16	TC642148	Lid Chuck	CA-2026	2
6-17	ZS592402	Screw, pan head 3x18		4
6-18	MH664064	Hinge Pin B	CB-2029	1
6-19	TC666156	Band Plate B	CB-2024	1
6-20	ZW290283	'U' Ring 2.85M	6-1-1	2
6-21	ML204862	Eject Guide Arm A Part CB	CA-2027	1
6-22	MR203804	Roller	CB-1056	1
6-23	ZW259503	Washer (Nylon) D3.1x8x0.5t		1
6-24	TC203815	Spring Hook	CB-1057	1
6-25	MH644916	Hinge Pin	CA-2028	1
6-26	ZS414033	Screw, countersunk head 3x8		1
6-27x	ZG227452	Spring D	900-118	1
6-28x	ZW322110	Washer (Nylon) D6.1x10.3x1.0t		1
6-29	ZG218790	Click Spring B	CQ-2044	1
6-30	MS218114	Eject Guide	CQ-2024	1
6-31	ZG365321	Idler Lever Spring	RCC-1385	1
	LAMP STAND BLOCK			
6-32	EA234246	Lamp P.C Board	CQ-1076	1
6-33	EL295312	Lamp (L/T) 8V 0.2A	28-2-8	2
6-34	ZS417161	Screw, pan head 2.3x4		2
6-35	TC684360	Pin Stand Part CA	CA-1099	2
6-36	ZS325495	Tapping Screw #2, 3x6 (BR)		2
6-37	TC280664	Spring Base Part CQ	CQ-1067	1

7. ILLUSTRATION OF PLUNGER BRACKET BLOCK

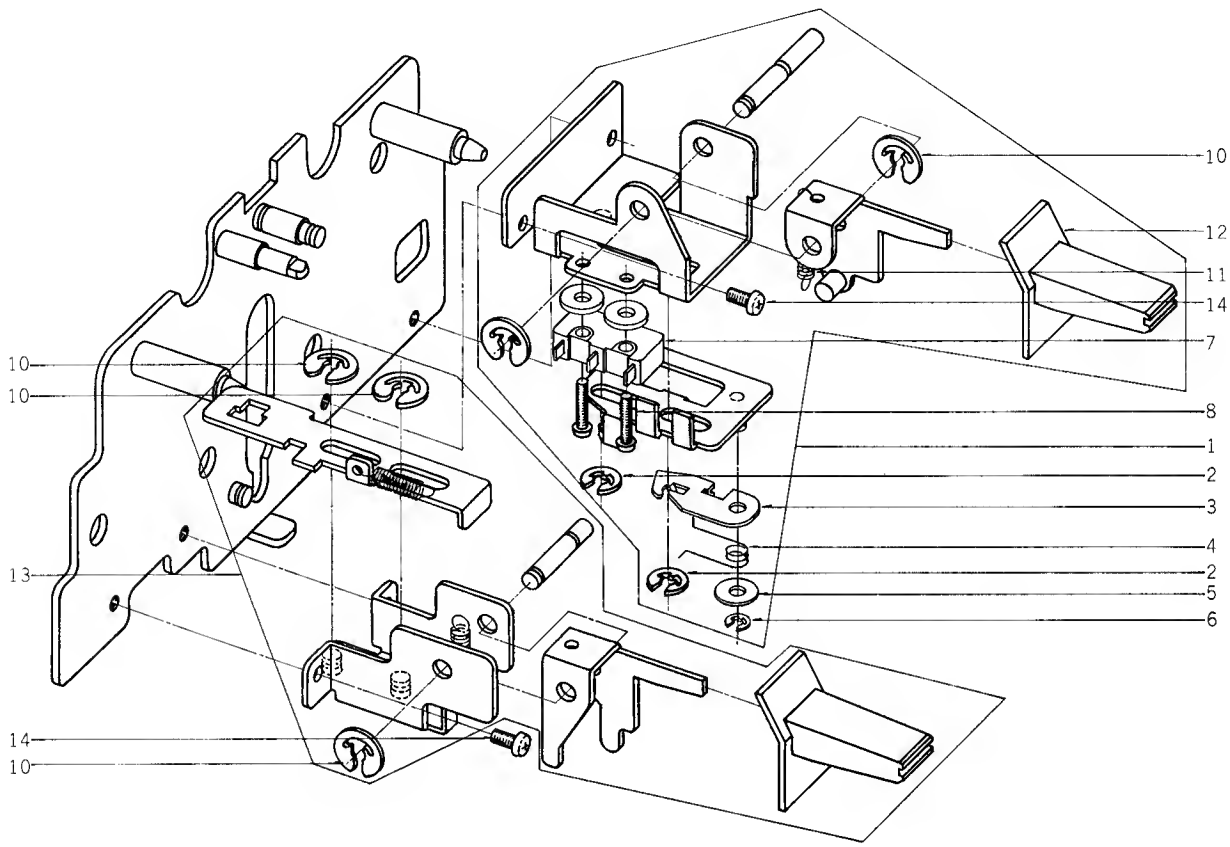


7) PLUNGER BRACKET BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
7-1	EP638706	Plunger Solenoid 1660PHT	44-1-74	1
7-2	ZS323728	Screw, binding head 3x5		4
7-3	ZS422076	Screw, pan head 3x5		4
7-4	EP638695	Plunger Solenoid 1240PHT	44-1-73	1
7-5x	EP263136	Plunger Solenoid 1240PHT14 (CEE)	44-1-86	1
7-6x	ED224550	Silicon Diode 10D4	45-2-16	2
7-7	ML268762	Plunger Lever (1) Part CQ	CQ-2015	1
7-8	ZW290283	'U' Ring 2.85M	6-1-1	6
7-9	MH257477	Connecting Pin	RD-211	1
7-10	ML268727	Drive Lever Part CQ	CQ-2016	1
7-11	MH533913	Connecting Pin	TW-2010	1
7-12	ZW270088	'E' Ring 1.9M	6-1-9	2
7-13	MZ218057	REC Joint Slide	CQ-2019	1
7-14	ZG365321	Idler Lever Spring	RCC-1385	1
7-15	ML268773	Reverse Joint Lever Part CQ	CO-2018	1

When ordering parts, Please describe Parts Number, Description, and Model Number in detail.

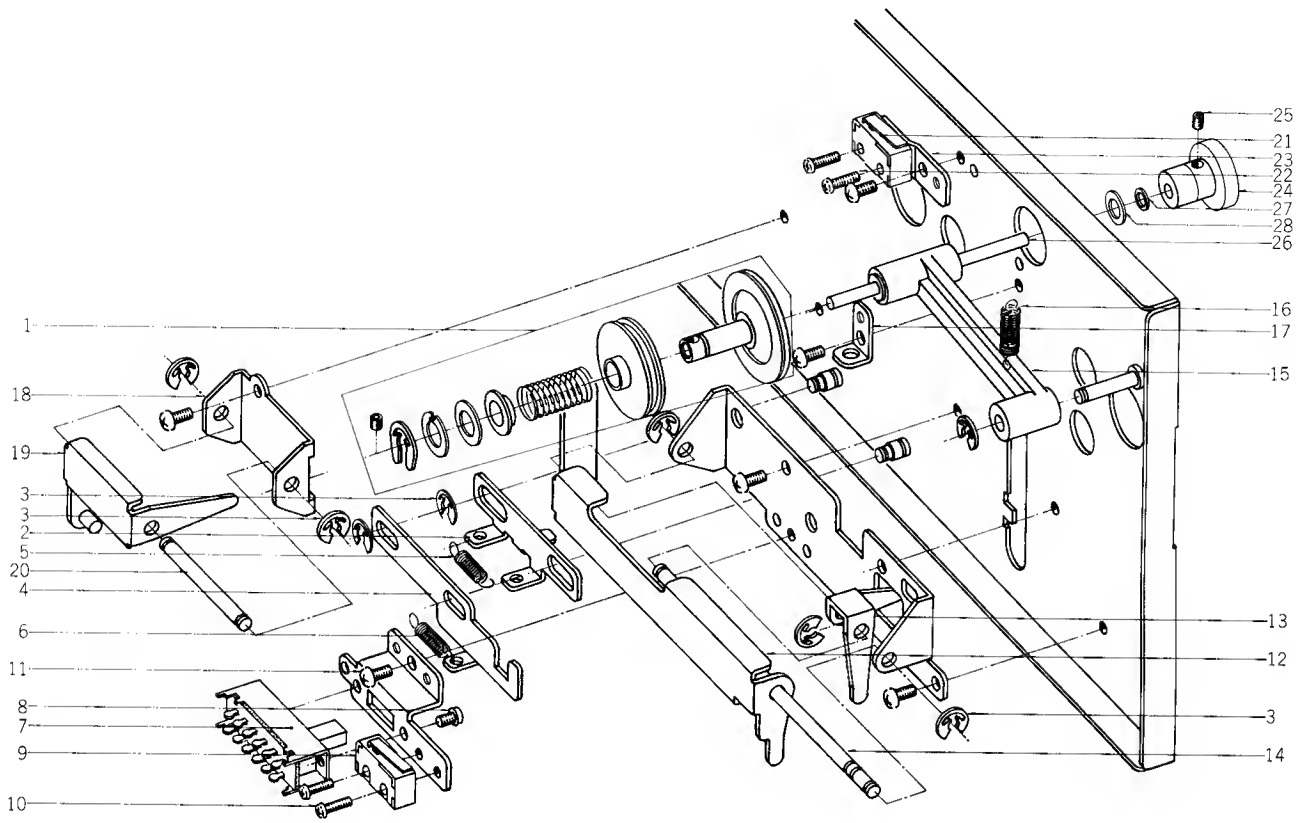
8. ILLUSTRATION OF PAUSE BUTTON BLOCK



8) PAUSE BUTTON BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
8-1	BZ211904	Pause Button Block Comp.	CQ-9713	1
8-2	ZW270101	'E' Ring 3M	6-1-9	2
8-3	TC515575	SW. Lock Cam B	CG 2301	1
8-4	ZG514440	Button Lock Spring B	CG-2303	1
8-5	ZW302332	Washer (BSP) D3.1x8x0.5t		1
8-6	ZW270088	'E' Ring 1.9M	6-1-9	1
8-7	ES494188	Micro SW. SS-5GL-13	25-1 25	1
8-8	ZS364397	Screw, pan head 2.3x10		2
8-9x	ZS462947	Screw, pan head 2.3x12		1
8-10	ZW290283	'U' Ring 2.85M	6-1 1	2
8-11	ZG577945	FF Slide Lever Spring	PW-1022	1
8-12	ML645377	Function Lever C	CA 2046	1
8-13	BZ211893	Eject Button Block Comp.	CQ 9703	1
8-14	ZS422076	Screw, pan head 3x5		2

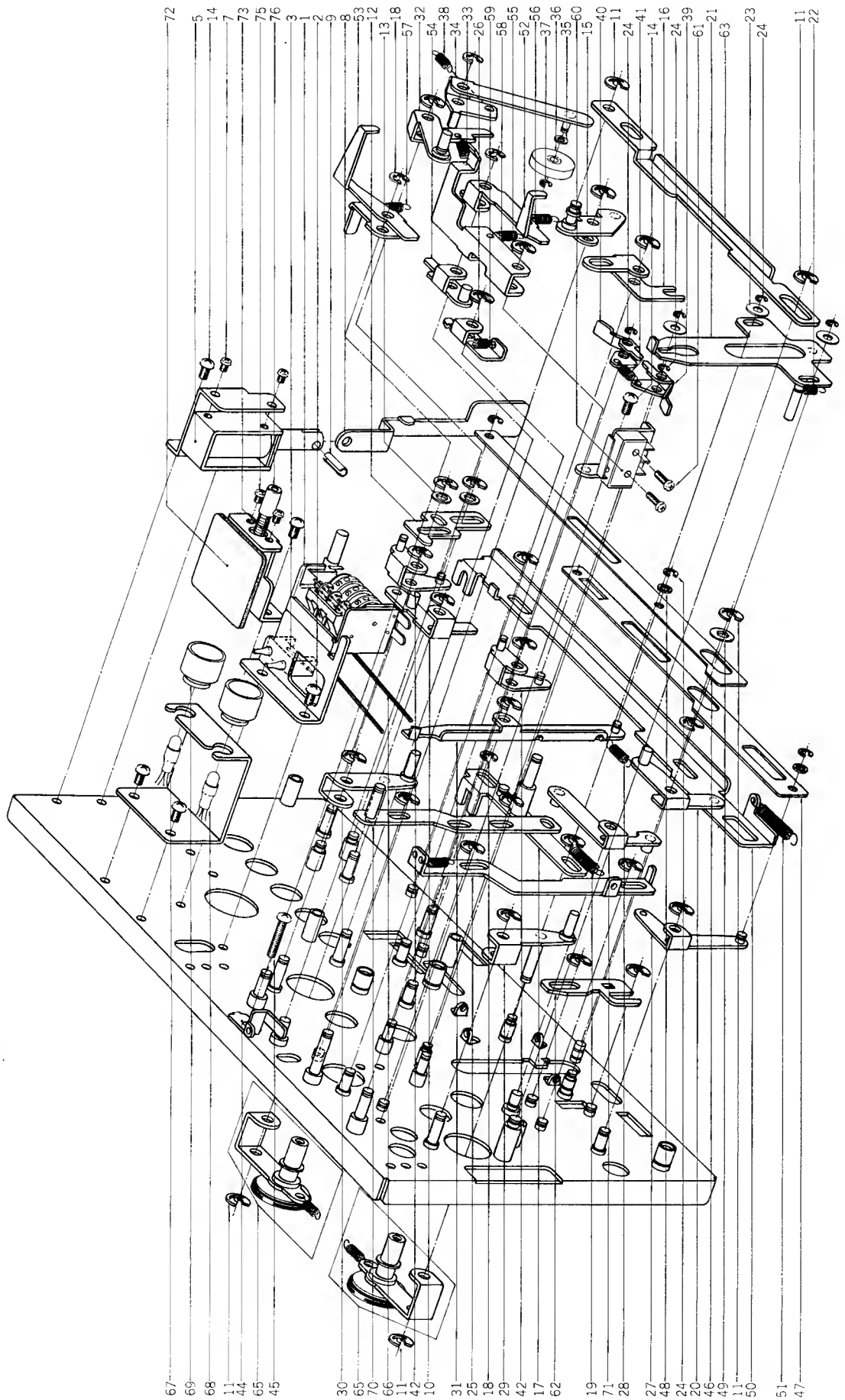
9. ILLUSTRATION OF MECHA FRAME BLOCK (1)



9) MECHA FRAME BLOCK (1)

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
9-1	BZ681568	Clutch Block Comp.	CA-1114	1
9-2	MZ217530	SW. Slide 1	CQ-1060	1
9-3	ZW290283	'U' Ring 2.85M	6-1-1	10
9-4	MZ217541	SW. Slide 2	CQ-1061	1
9-5	ZG230782	SW. Base Return Spring	CQ-1081	1
9-6	ZG262271	FF Return Spring	CQ-1089	1
9-7	ES488970	Slide SW. SL-242B4BF	25-3-76	1
9-8	ZS432843	Screw, pan head 2.6x4		2
9-9	ES477966	Micro SW. SS-5GL	25-1-23	1
9-10	ZS487091	Screw, pan head 2.3x8		2
9-11	ZS325495	Tapping Screw #2, 3x6 (BR)		2
9-12	ML269010	Eject Lever (2) Part CQ	CQ-1025	1
9-13	ML216810	Eject Lever 3	CQ-1026	1
9-14	MS216821	Eject Shaft	CQ-1027	1
9-15	ML268931	Wheel Arm Part CQ	CQ-1078	1
9-16	ZG262585	Spring, wheel arm	CQ-1087	1
9-17	MZ217528	Spring Hanger	CQ-1059	1
9-18	MZ216707	Rec Bracket	CQ-1020	1
9-19	ML280653	REC Lever Part CQ	CQ-1021	1
9-20	MS216731	REC Shaft	CQ-1022	1
9-21	ES477966	Micro SW. SS-5GL	25-1-23	1
9-22	ZS487091	Screw, pan head 2.3x8		2
9-23	TC641880	REC SW. Table	CA-1074	1
9-24	MI678633	Driving Wheel (B)	CA-1209/1210	1
9-25	ZS434160	Set Screw, hexagon socket 3x3 (Cup/p.)		1
9-26	MS644613	Drive Wheel Shaft	CA-1028	1
9-27	ZW484762	Washer (Teflon) D3.1x5x0.2t		6
9-28	MZ678508	Oil Cut	CA-1110	1

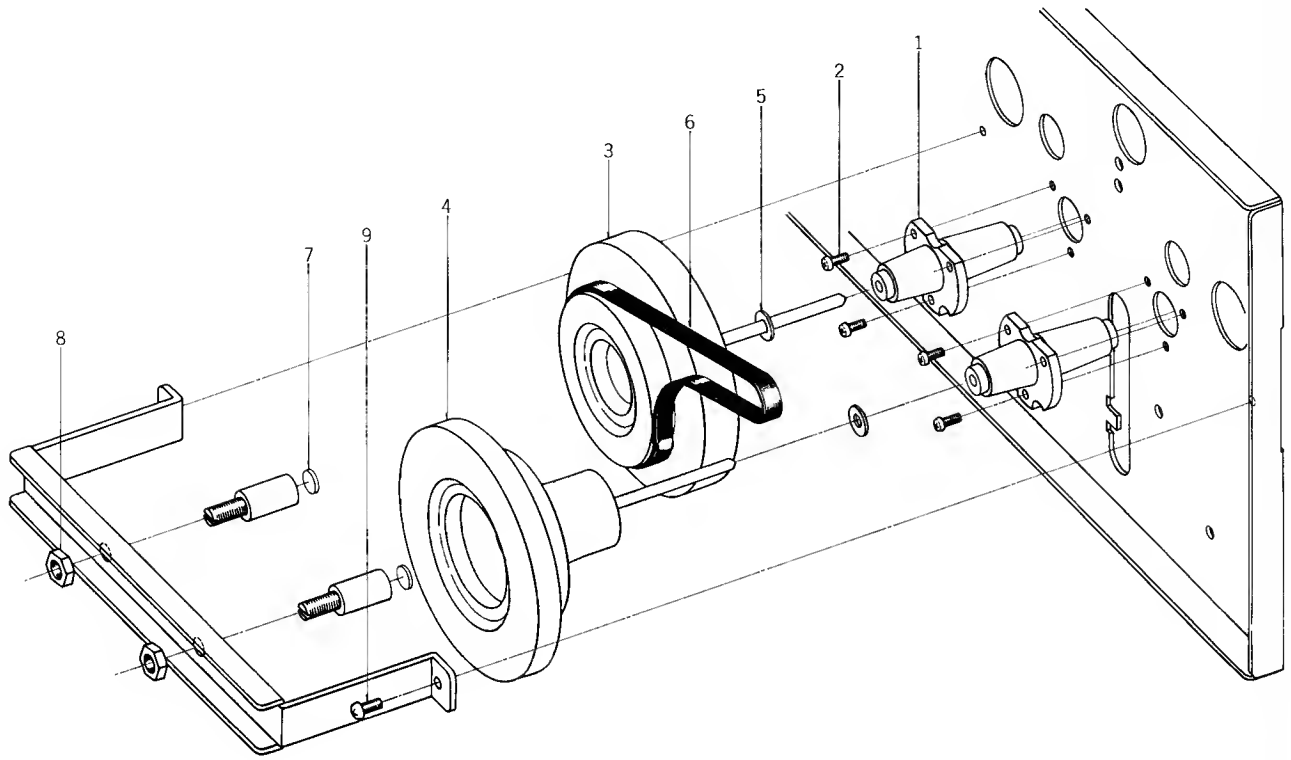
10. ILLUSTRATION OF MECHA FRAME BLOCK (2)



10) MECHA FRAME BLOCK (2)

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
	COUNTER BLOCK			
10-1	MC213085	Counter SMP-390-73	9-1-48	1
10-2	ZS422076	Screw, pan head 3x5		2
10-3	ES516036	Lead SW. ORD-225	25-11 1	1
	PLUNGER BASE BLOCK			
10-4	MZ217574	Plunger Base	CQ-1063	1
10-5	EP494425	Plunger Solenoid 0730THT1	44-1-48	1
10-6x	ED494583	Silicon Diode 10D05	45-2-42	1
10-7	ZS592378	Screw, pan head 2.6x3		2
10-8	ML217552	Auto Stop Lever	CQ-1062	1
10-9	MH620572	Spring Pin		1
	MECHA FRAME BLOCK			
10-10	ML268997	Cancellation Lever Part CQ	CQ-1042	1
10-11	ZW290283	'U' Ring 2.85M	6-1-1	29
10-12	ML217091	Play Stop Lever	CQ 1043	1
10-13	ZW649991	Washer (PBP) D4.1x7x0.3t		2
10-14	ZS325495	Tapping Screw #2, 3x6(BR)		9
10-15	ML269021	Interlocking Lever (2) Part CQ	CQ-1039	1
10-16	MZ216990	Interlock Plate 1	CQ-1038	1
10-17	TC268986	Direction Slide Part CQ	CQ-1037	1
10-18	ZW270101	'E' Ring 3M	6-1-9	5
10-19	ZG288865	Direction Spring	CQ 1092	1
10-20	ML268975	Play Lever Part CQ	CQ-1046	1
10-21	TC268964	Brake Slide Part CQ	CQ-1047	1
10-22	ZG456120	Setting Lever Spring	CS-1187	1
10-23	ZW317171	Washer (PBP) D3.1x8x0.1t		3
10-24	ZW270088	'E' Ring 1.9M	6-1-9	10
10-25	MZ217473	RWD Slide	CQ-1054	1
10-26	ML641823	RWD Lever	CA-1066	1
10-27	ML268953	RWD Lever (Q) Part CQ	CA-1067	1
10-28	ZG286918	FF Joint Spring	CQ-1090	2
10-29	ML268942	Idler Lever Part CQ	CQ-1055	1
10-30	ML301318	Idler Lever (B) Part CQ	CQ-1055	1
10-31	ML280596	FF Joint Lever Part CQ	CQ-1052	1
10-32	ML221220	FF Lever Part CA	CA-1056	1
10-33	ZG469315	Take-up Lever Spring	CG-1091	1
10-34	ML684573	FF Wind Arm Part CA	CA-1060	1
10-35	ZW645952	Washer (Teflon) D2.1x4x0.2t		2
10-36	MI644804	FW Wheel CA	CA-1063	1
10-37	ZW356657	'E' Ring 1.5M	6-1-9	1
10-38	ZG385986	Safety Lever Return Spring	CS-2539	1
10-39	ML217170	Brake Lever A	CQ-1049	1
10-40	ML217181	Brake Lever B	CQ 1049	1
10-41	ZG580263	Lock Plate B Spring	TD-2016	1
10-42	ML269818	Joint Arm Part CQ	CQ-1050	2
10-43x	ZW259885	Washer (PBP) D5.1x10.3x0.1t		1
10-44	TC641801	Wind Lever Resetter	CA-1064	1
10-45	ZS462802	Tapping Screw #2, 3x15 (BR)		1
10-46	MZ217236	FF Connecting Plate	CQ-1051	1
10-47	MZ217416	RWD Connecting Plate	CQ-1053	1
10-48	ZW407362	Washer (Nylon) D3.1x5x1t		2
10-49	ZW420682	Washer (Nylon) D4.2x9x0.5t		1
10-50	MZ217135	Play Connection Plate	CQ-1045	1
10-51	ZG644848	PR Spring	CA-1081	1
10-52	ML216922	Detector Lever 1	CQ-1031	1
10-53	ML216933	Detector Lever 2	CQ-1032	1
10-54	ML280675	Holder Lever Part CQ	CQ-1033	1
10-55	MZ216955	Cassette Holder	CQ-1034	1
10-56	ZG365433	Idler Tension Spring	RCC-1365	1
10-57	ZG230782	SW. Base Return Spring	CQ-1081	1
10-58	ZG262282	Spring, holder	CQ-1086	1
10-59	ZG392848	Operation Lever Spring	CS-2102	1
10-60	ES477966	Micro SW. SS-5GL	25-1-23	1
10-61	ZS487091	Screw, pan head 2.3x8		2
10-62	MZ216843	Eject Slide 2	CQ-1028	1
10-63	MZ217078	Idler Changing Lever	CQ-1041	1
10-64x	ZW416698	Nut M4		2
10-65	BL211713	Take-up Lever Block Comp. CQ	CG-1844	2
10-66	MB217787	Counter Belt	CQ 1075	1
10-67	EL231265	Lamp (Cord Type) 24V 35 mA (200/150mm)	28-2-42	1
10-68	EL231254	Lamp (Cord Type) 24V 35mA (220mmx2)	28-2-42	1
10-69	MZ217675	Lamp Holder C	CQ-1066	2
10-70	TC280620	Eject Connection Plate Part CQ	CQ-1030	1
10-71	ML280631	Eject Arm Part CQ	CQ-1029	1
	MEMORY SW. P.C BOARD BLOCK			
10-72	BA211803	Memory SW. P.C Board Comp.	CQ-9754	1
10-73	ES558944	Push SW. SPJ-10110	25 5-109	1
10-74x	ET635231	Transistor 2SC536 (F) (G)	45-1-55	1
10-75	ZS460440	Screw, pan head 2x4		2
10-76	SZ645221	Memory Cap CA	CA-6010	1

11. ILLUSTRATION OF MECHA FRAME BLOCK (3)



11) MECHA FRAME BLOCK (3)

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
11-1	MZ674616	Capstan Metal Case Part CA	CA-1041	2
11-2	ZS499331	Screw, pan head 2.3x5		6
11-3	MI217754	Flywheel A CQ	CQ-1072	1
11-4	M1217765	Flywheel B CQ	CQ-1073	1
11-5	ZW301751	Thrust Washer (Nylon)	CQ-1099	2
11-6	MB217776	Capstan Belt	CQ-1074	1
11-7	TC653220	Capstan Shaft Holder	CH-1079	1
11-8	ZW668452	Metal Nut	7-1-64	2
11-9	ZS325495	Tapping Screw #2, 3x6(BR)		2

12. P.C BOARDS

(1) PRE AMP P.C BOARD (CQ-5015) BLOCK

Symbol No.	Parts No.	Description	Schematic No.	Q'ty
(1)-1	BA211972	Pre Amp P.C Board Comp. (CQ-5015)	CQ-9851 AtoD	1
(1)-IC1	EI605013	IC NE545B	45-8-117	2
(1)-TR1to3	ET391768	Transistor 2SC458LG(C)(D)	45-1-29	6
(1)-TR4	ET403402	Transistor 2SC536(G)	45-1-55	2
(1)-TR5to9	ET635231	Transistor 2SC536(F)(G)	45-1-55	10
(1)-TR10,11	ET638504	Transistor 2SC945L(P)	45-1-85	2
(1)-D1to3	ED219464	Germanium Diode 1N34A	45-3-1	6
(1)-D4to12	ED560913	Silicon Diode 1S2473VE	45-3-23	18
(1)-FL1	ER669734	MPX Filter FB1801M	53-1-104	2
(1)-T1	BT490702	Headphone Trans. N19-349S	38-2-32	2
(1)-VR1	EV464196	Semi-fixed/Vol. V8K4-1 2 kB	36-10-266	2
(1)-VR2	EV522797	Semi-fixed/Vol. V8K4-1 20 kB	36-10-266	2
(1)-VR3	EV464196	Semi-fixed/Vol. V8K4-1 2 kB	36-10-266	2
(1)-VR4	EV497698	Semi-fixed/Vol. V10K8-1-5 20 kB (4US)	36-10-252	2
(1)-L1	EO368403	Ferri Inductor FL9H 33MH(J)	23-1-4	2
(1)-L2,3	EO663748	Inductor RCP-095 36MH(J)	23-1-245	4
(1)-SW1	ES494076	Slide SW. CL-109B	25-3-78	2
(1)-SW2	ES494302	Slide SW. CL104B	25-3-79	1
(1)-R60	ER658034	Metal Oxide Film/R. 2W 220 ohms(J)	35-15-18	1
(1)-C3	EC516723	Styrol/C. (Vert. Type) 270PF(K) 50WV	24-11-3	2
(1)-C4	EC516767	Styrol/C. (Vert. Type) 470PF(K) 50WV	24-11-3	2
(1)-C15	EC619650	Solid Aluminum/C. (Vert. Type) 0.1μF(K) 25WV	24-19-2	2
(1)-C26	EC619650	Solid Aluminum/C. (Vert. Type) 0.1μF(K) 25WV	24-19-2	2
(1)-C27	EC604102	Solid Aluminum/C. (Vert. Type) 0.33μF(K) 25WV	24-19-2	2
(1)-C35	EC487157	NP/C. (Vert. Type) 0.47μF(M) 50WV	24-17-17	2

(2) OSC, POWER SUPPLY P.C BOARD (CQ-5011) BLOCK

Symbol No.	Parts No.	Description	Schematic No.	Q'ty
(2)-1	BA211994	Osc, Power Supply P.C Board Comp. (CQ-5011)	CQ-9751A/B	1
(2)-2	BA235552	Osc, Power Supply P.C Board Comp. (CQ-5011) (CEE)	CQ-9751A/B	1
(2)-3	BA235563	Osc, Power Supply P.C Board Comp. (CQ-5011) (CSA)	CQ-9751A/B	1
(2)-4	BA235574	Osc, Power Supply P.C Board Comp. (CQ-5011) (JPN)	CQ-9751A/B	1
(2)-TR1,2	ET622080	Transistor 2SC1175(E)(F)	45-1-195	2
(2)-TR3	ET537300	Transistor 2SD361(D)(E)	45-1-143	1
(2)-TR4	ET399870	Transistor 2SC711(G)	45-1-67	1
(2)-L1	EO682367	Ferri Inductor FS1215S-471JR20	23-1-253	1
(2)-VR1,2	EV550023	Semi-fixed/Vol. V10K8-4-2 100 kB	36-10-250	2
(2)-VR3	EV560103	Semi-fixed/Vol. V10K8-4-2 100ohmsB	36-10-250	1
(2)-T1	EO620482	OSC Coil OT-925	23-4-31	1
(2)-RL1to3	EP616500	Relay LC1-C-JT DC24V	47-1-22	3
(2)-CR1to4	ER376435	Spark Quencher U/L 0.1μ+120 ohms 250WV	41-1-35	4
(2)-D1to4	ED494583	Silicon Diode 10D05	45-2-42	4
(2)-D5	ED511918	Zener Diode WZ-240	45-6-67	1
(2)-D6to10	ED560913	Silicon Diode 1S2473VE	45-3-23	5
(2)-D11to14	ED224550	Silicon Diode 10D4	45-2-16	4
(2)TH1	ED560147	Thermister (Special) 100PD-81 B9220	45-14-2	1
(2)-R5	ER266433	Fuse/R. FRN30MA68 ohms(K)	35-14-16	1
(2)-R6	ER266444	Metal Oxide Film/R. 3W 200 ohms(J)	35-15-19	1
(2)-R14	ER563253	Cement/R. (Wire-wound Type) 3W 2.2 ohms(K)	35-16-2	1
(2)-C1,2	EC289451	Styrol/C. (w/rubber) 100PF(J) 50WV	24-11-13	2
(2)-C3	EC520468	Styrol/C. (Tub. Type) 3300PF(J) 500WV	24-11-10	1
(2)-C12,13	EC242730	Metalized Film/C. 0.1μF 220WV (Vert. Type)	24-16-9	2
(2)-5	ZS421806	Screw, pan head 3x8		1
(2)-6	ZW516611	Nut M3		1
(2)-7	ZS558101	Screw, pan head 3x6 w/washer		1
(2)-8	ZS422076	Screw, pan head 3x5		1

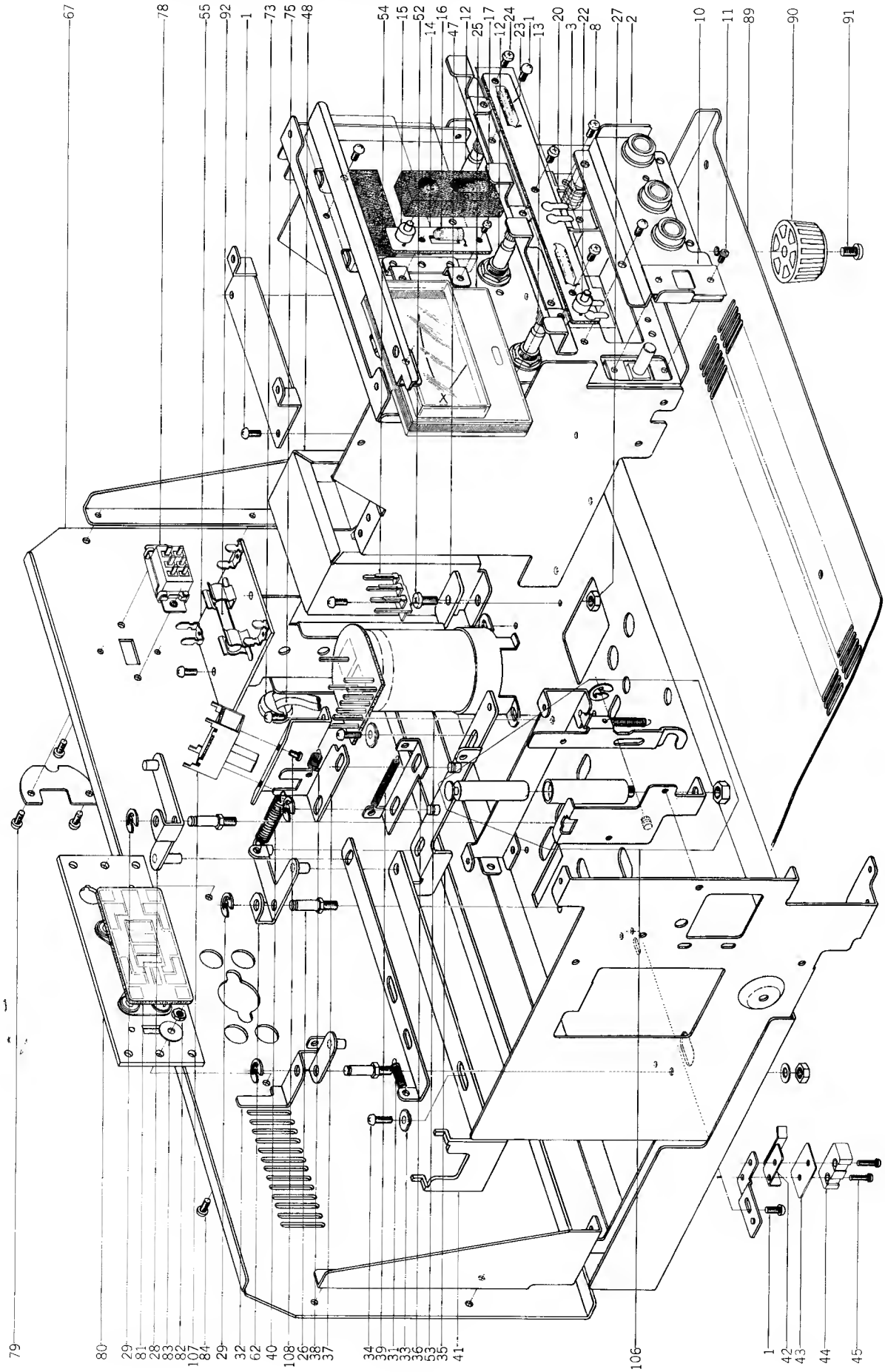
(3) REVERSE MODE P.C BOARD (CQ-5023) BLOCK

Symbol No.	Parts No.	Description	Schematic No.	Q'ty
(3)-1	BA212040	Reverse Mode P.C Board Comp. (CQ-5023)	CQ-9756	1
(3)-SW1	ES677305	Lever SW. SLE54305	25-12-24	1

(4) SYS. CON P.C BOARD (CQ-2001) BLOCK

Symbol No.	Parts No.	Description	Schematic No.	Q'ty
(4)-1	BA211768	Sys. Con P.C Board Comp. (CQ-2001)	CQ-9752	1
(4)-TR1to3	ET635231	Transistor 2SC536(F)(G)	45-1-55	3
(4)-TR4	ET375603	Transistor 2SC1061(B)(C)	45-1-96	1
(4)-TR5	ET635231	Transistor 2SC536(F)(G)	45-1-55	1
(4)-TR6	ET666404	Transistor 2SD571(K)(L)	45-1-218	1
(4)-TR7	ET635231	Transistor 2SC536(F)(G)	45-1-55	1
(4)-TR8	ET666404	Transistor 2SD571(K)(L)	45-1-218	1
(4)-TR9to14	ET635231	Transistor 2SC536(F)(G)	45-1-55	6
(4)-D1to34	ED560913	Silicon Diode 1S2473VE	45-3-23	34
(4)-C1	EC516712	Styrol/C. (Vert. Type) 220PF(K) 50WV	24-11-3	1

13. ILLUSTRATION OF AMP ASSEMBLY BLOCK

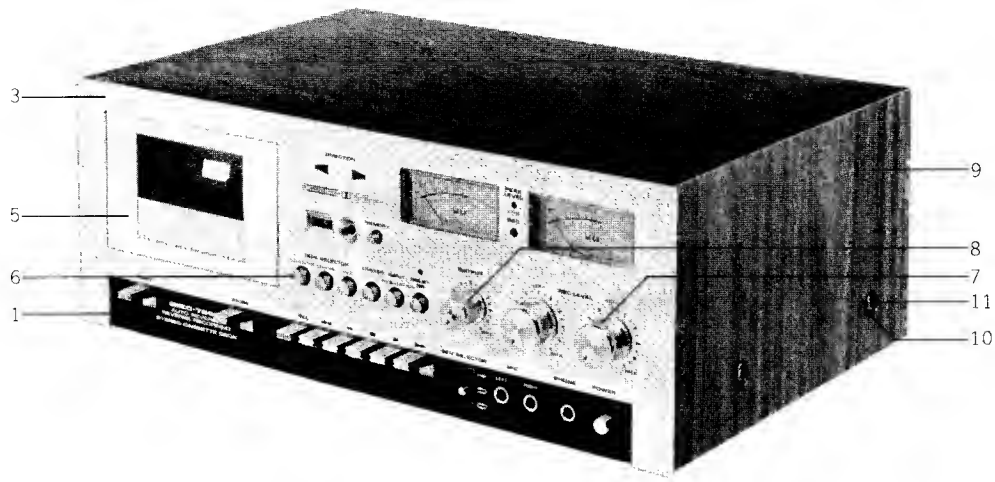


13) AMP ASSEMBLY BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
	VU METER BASE BLOCK			
13-1	ZS325495	Tapping Screw #2, 3x6 (BR)		55
13-2	EJ250751	Mic Jack Assy CQ	CQ-9722	1
13-3	ES665875	Push SW. SDG-1P U/L	25 5 199	1
13-4x	ES665807	Push SW. SDG-5P (CEE)	25-5-182	1
13-5x	EC699298	PE-9P Film/C. 0.1μF(K) 600WV	24 3 8	1
13-6x	EC565896	Ceramic/C. DP6600YM 0.01μF(P) 1.4 kWV(CSA)	24-5-58	1
13-7x	EC256950	MP/C. PEM271 0.01μF 250WV (CEE)	24-9-118	2
13-8	ZS379350	Screw, pan head 3x6		4
13-9x	ZW562476	Earth Lug M3		1
13-10	TC241424	Mask	CQ-5030	1
13-11	ZS432843	Screw, pan head 2.6x4		2
13-12	EV691468	Vol. VJ10R670 50 kA	36-2-41	2
13-13	EV231017	Single axial 2 throw Vol. GJ70R526-10 kBx2	36-1-47	1
13-14	EA234180	LED P.C Board	CQ-5021	1
13-15	ED656357	LED SEL-105R	45 15 11	1
13-16	EL603268	Lamp (L/T) 24V 35 mA	28-2-39	1
13-17	ZS417161	Screw, pan head 2.3x4		2
13-18	TC219183	Shield Plate	CQ-5020	1
13-19x	ZW259424	Lug Plate, D6 wrapping	33-5 10	1
13-20	BA262383	Lamp P.C Board Assy CQ	CQ-9717	1
13-21	EA234191	Lamp P.C Board B	CQ-5022	1
13-22	ED656346	LED 305GC	45 15 10	1
13-23	EL295312	Lamp (L/T) 8V 0.2A	28-2-8	2
13-24	ZS422076	Screw, pan head 3x5		7
13-25	EM234134	VU Meter KL-250L-10	46 1 138	2
	AMP CHASSIS BLOCK			
13-26	MS645017	Rec Lever Shaft	CA 5020	3
13-27	ZW413267	Flange Nut M4		5
13-28	ML281924	Reverse Change Lever (B) Part CQ	CQ 5008	1
13-29	ZW290283	'U' Ring 2.85M	6 1-1	5
13-30	MZ218902	Rev. Changing Slide	CQ 5006	1
13-31	ZG470430	SST Spring B	RCC-1240B	1
13-32	ML281935	Reverse Change Lever (A) Part CQ	CQ 5007	1
13-33	ZW628288	Graduated Collar	LE-5602	6
13-34	ZS447840	Tapping Screw #2, 3x8 (BR)		2
13-35	TC281946	Rec Slide (B) Part CQ	CQ-5004	1
13-36	MZ218867	Rec Slide	CQ-5002	1
13-37	MZ218891	Rec Slide C	CQ-5005	1
13-38	ZG525993	SW. Return Spring	CV 2060	1
13-39	ZG359515	FF Slide Lever Spring	PX 134	1
13-40	ZG369606	Field Lever Spring	RCC 110	1
13-41	MZ218878	Rec Slide A	CQ-5003	1
13-42	EZ280765	Actuator	CQ-0021	1
13-43	EZ595653	Insulator Plate	CH-1055	1
13-44	ES389700	Micro SW. SS-5	25-1-19	1
13-45	ZS465298	Screw, pan head 2.3x10		2
13-46x	ZW562476	Earth Lug M3		1
13-47	EZ486617	Trans. Reinforcement Plate B	LF-5222	2
13-48	BT230984	Power Trans. CQT-1	38 4-427	1
13-49x	BT232165	Power Trans. CQT-3 (CEE, BEAB)	38 4-429	1
13-50x	BT232143	Power Trans. CQT-2 (CSA, AAL, JPN)	38 4 428	1
13-51x	EZ300552	Fuse Barrier (CSA, AAL, JPN)	CQ 5040	1
13-52	ZS413201	Screw, pan head 4x8		4
13-53	EC684472	Elect./C. (Wrapping Type) 330μF 160WV	24-10-108	1
13-54	EJ551035	Wrapping Terminal, 4P T-5251	32-1-36	1
13-55	EJ230995	1P Fuse Holder (Large) CQ	40-1-94	1
13-56x	EJ232187	2P Fuse Holder (Small) CQ (CEE, BEAB)	40 1 96	1
13-57x	EJ232233	3P Fuse Holder (Small) (CEE, BEAB)	40 1 75	1
13-58x	EJ232176	2P Fuse Holder (Large) CQ (CSA, AAL, JPN)	40 1 95	1
13-59x	EZ652410	Fuse Holder 3P Table (CSA, AAL, JPN)	40-1-68	1
13-60	TC668024	Fuse Base	CB 5017	1
13-61x	TC668024	Fuse Base (CEE, BEAB, CSA, AAL, JPN)	CB 5017	2
13-62	ML281957	Rec Lever (2) Part CQ	CQ-5026	1
13-63x	ZS379350	Screw, pan head 3x6		2
13-64x	ZW563218	Washer (Bake) D3.2x10x1t		3
13-65x	EZ300315	Trans. Shield (CEE,BEAB)	CQ-5039	1
13-66x	EZ300553	P.C Board Barrier (CEE, BEAB)	CQ-5041	1
13-67	SP219025	Rear Panel A	CQ 5017	1
13-68x	SP219036	Rear Panel B (CEE)	CQ 5017	1
13-69x	SP288213	Rear Panel D (JPN)	CQ-5017/5036	1
13-70x	SP300260	Rear Panel F (CSA)	CQ 5016/5038	1
13-71x	SP288202	Rear Panel C (AAL)	CQ-5017/5036	1
13-72x	SP288224	Rear Panel E (BEAB)	CQ-5017/5037	1
13-73	EZ631945	Strain Relief SR-4N-4	2-7-49	1
13-74x	EZ246936	Strain Relief (CEE) SR-6W-1	2-7-8	1
13-75	EW604618	AC Cord VM-0064 (U/T, CEE)	26 3 34	1
13-76x	EW516475	AC Cord (CSA, AAL)	26-3 20	1
13-77x	EW557640	AC Cord 2.5M (JPN)	26-3-32	1
13-78	ES479485	Slide SW. S-1	25-3-66	1
13-79	ZS201150	Screw, truss head 3x6 (Black)		2
13-80	EJ624104	Jack Plate J-2	31 5-121	1
13-81	EA647313	Jack Plate P.C Board	LE-5626	1
13-82	ZW273756	Nut M3, #1		2
13-83	ZW556828	Washer (SPC) D3.5x10x0.5t		2
13-84	ZS355522	Screw, pan head 3x6		2
	ASSEMBLY BLOCK			
13-85x	ZS469710	MR Graduated Screw	MR-254	1
13-86x	ZS447761	Tapping Screw #2, 3x6 (BR) (Black)		10
13-87x	ZW553915	Washer D3.5x10x1t		3
13-88x	BA211746	SW. P.C Board Comp. CQ	CQ-9760A/B	1
13-89	SP219442	Bottom Plate	CQ 6007	1
13-90	SZ645243	Circular Foot A CA	CA 6014	4
13-91	ZS417150	Screw, pan head 4x6		4
13-92	EF590692	Fuse 1.2A 250V	39 1-50	1
13-93x	EF601964	Fuse (SEMKO T Type) 1.6AT	39-1-53	1
13-94x	EF602550	Fuse (SEMKO T Type) 1.25AT 250V	39 1 53	1
13-95x	EF623103	Fuse (SEMKO T Type) 1AT (CEE, BEAB)	39-1-53	1
13-96x	EF258344	Fuse (SEMKO T Type) 800mAT (CEE, BEAB)	39-1-53	2
13-97x	EF662534	Fuse ULMF61M 250V 2.5A (CSA, AAL)	39-1-45	1
13-98x	EF511626	Fuse ULMF61M 250V 0.8A (CSA, AAL)	39-1 45	1
13-99x	EF550618	Fuse ULMF61M 250V 1.5A (CSA, AAL)	39 1-45	1
13-100x	EF668610	Fuse ULMF61M 250V 1.2A (CSA, AAL)	39-1-45	2
13-101x	EF562691	Fuse 2.5A 250V (JPN)	39-1-50	1
13-102x	EF575932	Fuse 0.8A 250V (JPN)	39-1 50	1
13-103x	EF563692	Fuse 1.5A 250V (JPN)	39 1 50	1
13-104x	EF590692	Fuse 1.2A 250V (JPN)	39 1 50	2
13-105x	MZ284005	Barrier (AAL)	CQ-6016	1
13-106	BZ681941	Damper Block Comp. CB	CB 2045	1
13-107	ES422414	Slide SW. SL-242B4BD	25-3 39	1
13-108	ZS432843	Screw, pan head 2.6x4		2

When ordering parts, Please describe Parts Number, Description, and Model Number in detail.

14. PHOTO OF FINAL ASSEMBLY BLOCK



14) FINAL ASSEMBLY BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
14-1	BD211634	Operation Panel Block Comp. CQ	CG-6829	1
14-2x	ZS325495	Tapping Screw #2, 3x6(BR)		3
14-3	BD211645	Front Panel Block Comp. CQ	CQ-9715	1
14-4x	ZS447840	Tapping Screw #2, 3x8(BR)		8
14-5	BD681491	Lid Panel Block Comp. CA2, CB	CB-6008	1
14-6	SB645232	Selector Button	CA-6011	6
14-7	SK631056	Single Knob CW	MY-6208	2
14-8	SK219497	Single Knob CQ	CQ-6009	1
14-9	BC219453	Wood Frame	CQ-6008	1
14-10	ZW548010	Spot Facing Washer	MU-6028	4
14-11	ZS510344	Screw, binding head 4x12		4

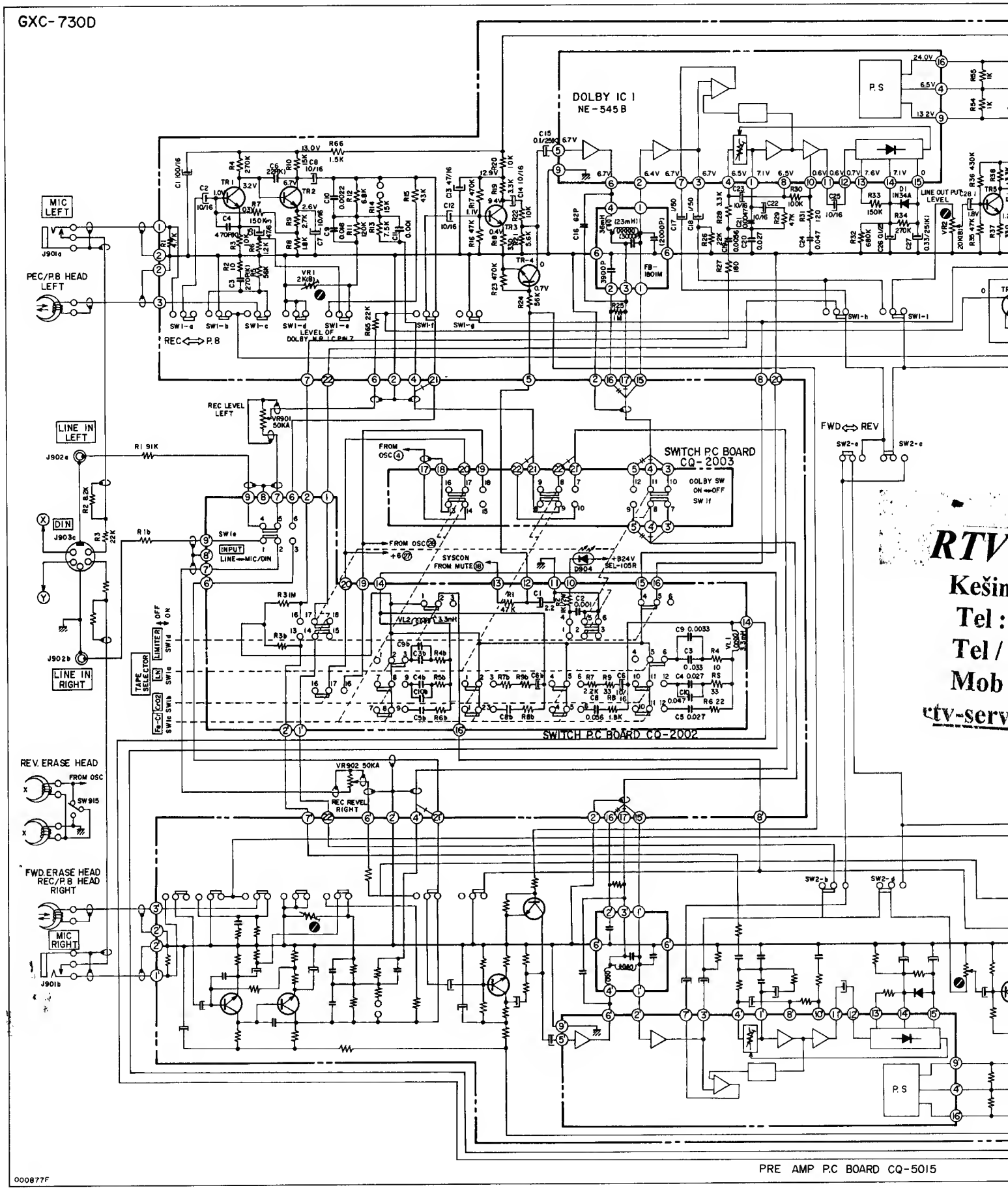
15. LIST OF INTERCHANGEABLE SEMICONDUCTORS

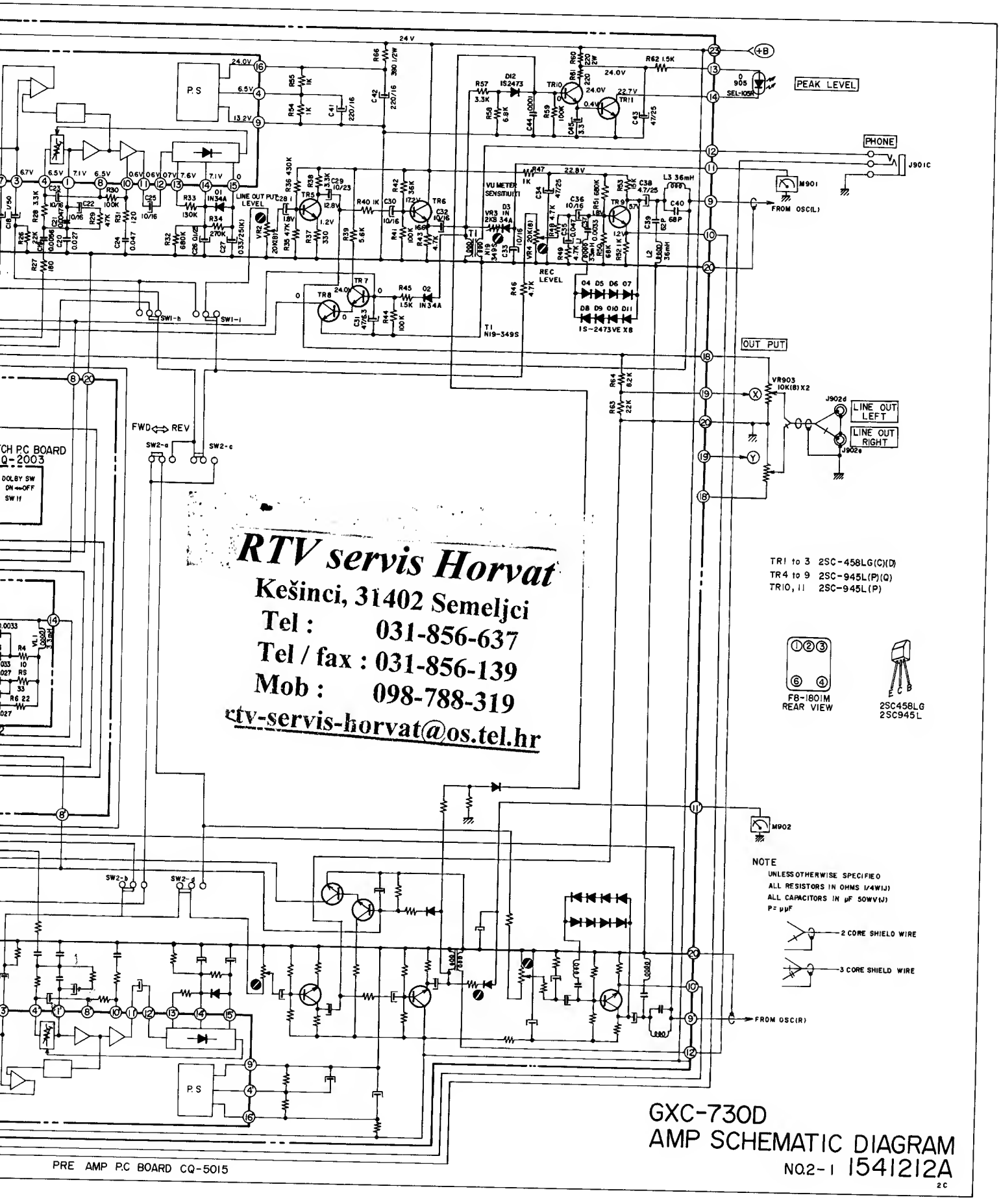
As far as service in concerned, in case the original parts cannot be obtained, the interchangeable parts listed below can be substituted.

Original Parts			Interchanbeable Parts	
Description	Parts No.	Utilizing P.C Board	Description	Parts No.
2SC458LG (C) (D)	ET391763	CQ-5015	2SC458 (C) 2SC693U (F)	ET329218 ET315472
2SC711 (G)	ET399870	CQ-5011	2SC945L (P) (Q) 2SC1647 (R) (S) (E)	ET639437 ET623733
2SC945L (P) (Q)	ET639437	CQ-2001 CQ-2012 CQ-5015	2SC711 (E) (F) 2SC536 (F) (G)	ET453486 ET635231
2SC1061 (B) (C)	ET375603	CQ-2001	2SD361 (D) (E) 2SC1449 (K) (L) (M)	ET537300 ET635815
2SC1175 (E) (F)	ET622080	CQ-5011	2SC1211 (E) (F)	ET666393
2SD361 (D) (E)	ET537300	CQ-5011	2SC1098 (L) (M)	ET476886
2SD571 (K) (L)	ET666404	CQ-2001		
1N34A	ED219464	CQ-5015	1N60 1S188AM	ED428264 ED562386
1S2473VE	ED560913	CQ-5015 CQ-5011 CQ-2001	1S2473 WG599	ED624903 ED514721
10D05	ED494583	CQ-5011	1N4001	ED538615
10D4	ED224550	CQ-5011	1N4004	ED570273
WZ240	ED511918	CQ-5011	RD24A	ED229072
SEL105R	ED650357			
SEL305GC	ED656346			
NE545B	E1605013			

INDEX

INDEX


GXC-730D
DOLBY IC 1
NE-545 B
P.S
MIC LEFT
PEC/P.B HEAD LEFT
REC ⇔ P.B
LINE IN LEFT
LINE IN RIGHT
DIN
REC LEVEL LEFT
REC LEVEL RIGHT
SWITCH P.C BOARD CQ-2003
SWITCH P.C BOARD CQ-2002
FWD ⇔ REV
REV. ERASE HEAD
FWD.ERASE HEAD REC/P.B HEAD RIGHT
MIC RIGHT
LINE OUT PUT LEVEL
PRE AMP P.C BOARD CQ-5015
000877F



GXC-730D

TR1, TR2 POWER SUPPLY & O.S.C P.C BOARD			
TAPE SELECTOR	LOW NOISE	CHROME	Fe – Cr
BASE	0 V	– 0.2 V	– 0.2 V
COLLECTOR	14.4 V	20.0 V	20.0 V
EMITTER	0.1 V	0.1 V	0.1 V
TERMINAL ①	39.0V A.C	51.7 V A.C	52.4V A.C
TERMINAL ②③	9.8 V A.C	13.8V A.C	17.5V A.C

※	UNI · CSA · JPN	CEE
R5	F1/2W 68ohms(J)	FRN30MA68 ohms(K)
R6	F1/2W200 ohms (J)	3W200ohms(J)
SL 903	1240PHT	1240PHT14

C B E　E C B　B C E　B C E　B C E

2SD511　2SC945　2SC711　2SC1175　2SD361

UNI

TI CQT-1

POWER　SW916　F1 0.8A　C902 △0.01 6KV1600

AC110~240V 50/60HZ　220V 240V　110V 120V　SW917

PNK　GRN　L　H　C

WHT　115V　100V　38V　0V　YLW　BRN

GRY　5V　0V　A

ORG　27V　0V　B

VLT　RED　BLK　REG

CAPSTAN MOTOR　M

SHART AT 50HZ　C904(7+1)/150

IND903　IND904　IND907　IND908

CSA JPN

TI CQT-2

POWER　SW916　F5 1.2A　YLW 120V　GRN 100V　C902

AC100V/120V 50/60HZ

0.01(K) 600 JPN
0.01(J) 125 CSA

△F1 2.5A　5V　GRY　A

27V　ORG　△F3 1.5A　B

F2 0.8A　VLT　BLK　CAPSTAN MOTOR

100V　GRN　38V　PNK　△F4 1.2A　H　L　C

REG　0V

※ △C904 7/180　CSA

△C904 7/150　1/150　SHORT AT 50HZ　JPN

CEE

TI CQT-3

POWER　SW916　F5 800mAT　BLU 240V　WHT 220V　C902

AC220/240V 50HZ　0.01 250 ACX2　C903

△F1 1.8AT　5V　GRT　A

27V　ORG　F3 1AT　B

VLT　F2 630 mAT　BLK　CAPSTAN MOTOR　M

△C904(7+1)/150

100V　GRN　38V　PNK　F4 800mAT　H　L　C

RED　0V　REG

△　8EA8 TYPE

TO Cr02SW　DISTORTION FACTOR ADJ　+B 24V　SW908d REC　IND 909

FS1215S-471JR20

TO ERASE　(E)　TO PRE AMP (R)　(L)　TO SW P.C BOARD

VR1 50K(B)　VR2 100K(B)　C1 100P　C2 100P　C3 3300P 500WV

TR1,2 2SC1175(E)(F)　C5 0.001　C6 0.001　TR1　TR2　2SC 1175X2

R1 330　R2 10K　R3 3.3　R4 3.3　C4 0.033　R16 6.2K

TI OT-925

D1 D2 D3 D4 DI-TO04 1000S　35.3V　TR3 2SD361(D)(E)

C8 2200/50　C9 220/35　R7 1.3K　R8 47　D5　WZ-240

TH1 100PD8189220

VR1,2 FREQUENCY RESPONSE ADJ

SW903　SL901　0901 1000S　AUTO STOP PL

TR1 TO 3 2SC945L(P)(Q)　TR4 2SC1081(B)(C)

C1 220P(D)　C2 100/25　C13 100/25　C15 10/25　C17 10/16

R1 4.7K　R2 4.7K　R3 10K　R4 22K　R5 22K　R6 22K　R7 10K　R8 4.7K　R9 10K　R10 10K　R11 22K　R12 2W 13K　R13 1　R17 10K　R18 10K　R19 22K　R20 10K　R21 3.3K　R50 22K　R51 470

TR2 16.8V　TR3　TR4　TR5 2SC945L(P)(Q)　TR13,14 2SC945L(P)(Q)　TR13　TR14

D1　D2　D3　D4　D5　D6　D7　D8　D9　D10　D11　D12　D13　D32T034 1S2473VE

SW902　24.4V

C4 22/25　R14 22K

24.8V　35.3V　16.8V　7.9V　12.3V　10.2V　0.2V

SW907 FAST　SW909 FWD　REC

TO SWITCH PCB(MUTE)

SW901 COUNTOR　SW1　R1 10K　R2 4.7/25　R3 100K　R4 10K　R5 10K　C2 4.7/25　TR1 2SC945L(P)(Q)

SW908 RWD

MEMORY SWITCH P.C BOARD CQ-2012

REV MODE P
CQ-502

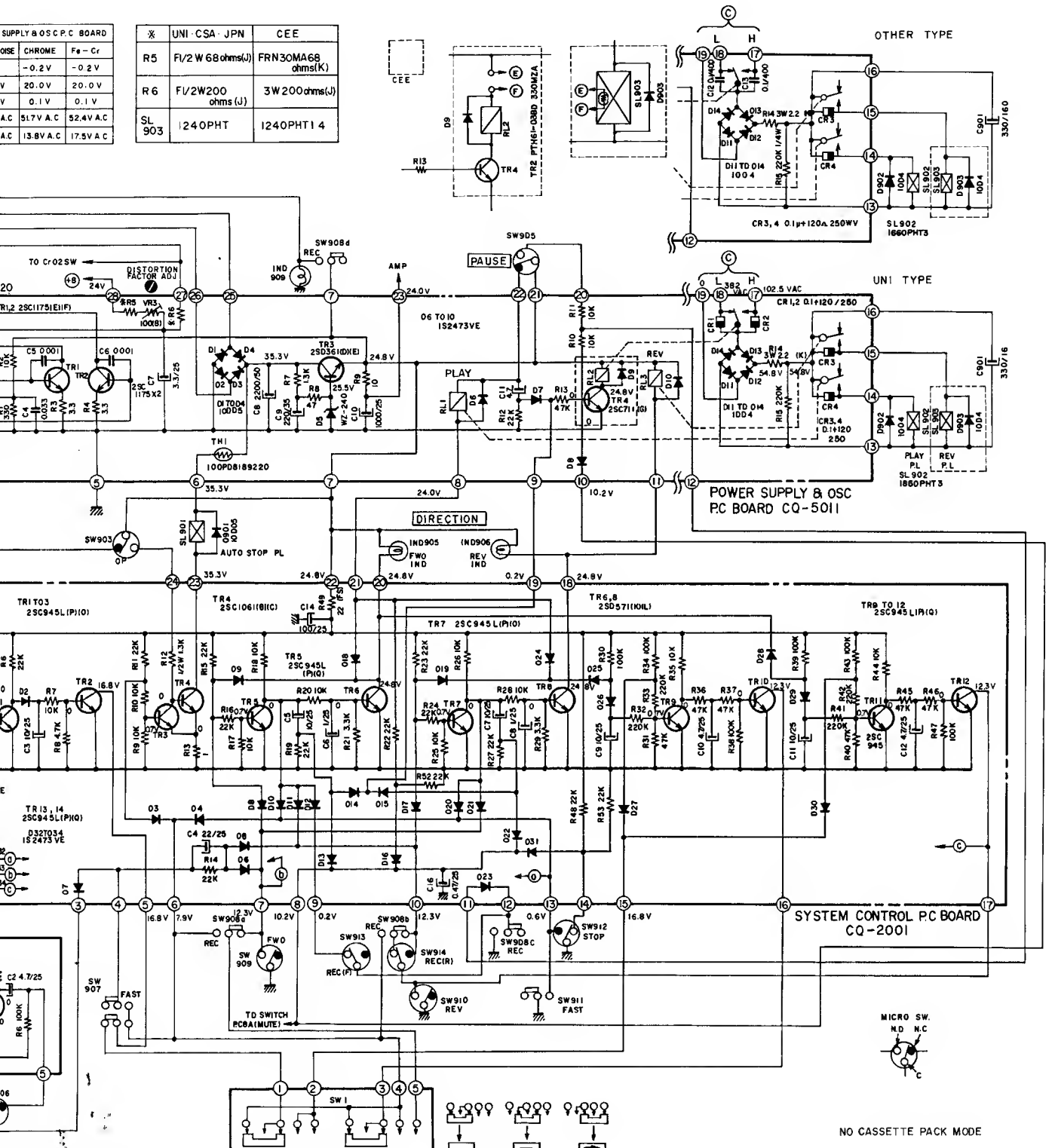
WARNING: △INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSEMENT: △ IL INDIQU LES COMPOSANTS CRITIQUES DE SÛRETÉ. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SECURITE QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT

000876F

SUPPLY & OSC P.C BOARD		
OISE	CHROME	Fe – Cr
	– 0.2 V	– 0.2 V
V	20.0 V	20.0 V
V	0.1 V	0.1 V
A.C	51.7 V A.C	52.4V A.C
A.C	13.8V A.C	17.5V A.C

※	UNI · CSA · JPN	CEE
R5	F1/2W 68ohms(J)	FRN30MA68 ohms(K)
R6	F1/2W200 ohms (J)	3W200ohms(J)
SL 903	1240PHT	1240PHT14



TICAL COMPONENTS. FOR CONTINUED SAFETY,
AL COMPONENTS ONLY WITH MANUFACTURER'S

SANTS CRITIQUES DE SÛRETÉ. POUR
E SECURITE DE L'APPAREIL NE REMPLACER LES
ONCTIONNEMENT EST CRITIQUE POUR LA SECURITE
ECOMMANDEES PAR LE FABRICANT

NOTE

1. UNLESS OTHERWISE SPECIFIED
   ALL RESISTORS IN OHMS 1/4W (J)
   ALL CAPACITORS IN μF 50WV(J)
   P= μ μF
2. POWER TRANSFORMER IS DIFFERENT ACCORDING TO AREA

GXC-730D
AMP SCHEMATIC DIAGRAM
NO. 2-2 1541213A
2C